A. I. A. File No. 31-F-237

MODERN ILLUMINATING GLASSWARE

CATALOG Nº 37

KOPP GLASS INC.

SWISSVALE PA.

KG

TRADE MARK

A. I. A. File No. 31-F-237

Foreword

IT gives us great pleasure to hand you herewith our latest Catalog, No. 37, illustrating our line of Illuminating Glassware.

Our idea in making it a loose leaf Catalog is for the convenience of our customers. Illustrations of new designs which we will originate may be inserted without difficulty, thus giving you always a complete Catalog.

You will find illustrated many things new in design, color and decorative effects.

We have divided our different styles of wares into groups, lettered as follows:

A—Modernistic Designs
B—Conventional Designs
C—Two-piece Units, Crystal Bottoms
D—Kitchen and Bathroom Shades
E—Special and Small Globes and Cylinders
F—Exit and Sign Balls
G—Cased Green Shades
H—Fixtures

Our aim is to give our customers original designs and effects, together with the best quality Glass, at reasonable prices.

Our products are made from our own original designs, and we shall protect ourselves against infringers of our patents in the future as we have in the past, by definite Court decisions.

Besides having the latest modern equipment in our Plant, we have back of our product over fifty years experience in the making and designing of all kinds of Illuminating and other Glass. We also have on our staff men of science and art, which enables us to keep our product abreast of the times.

We also manufacture Portable Lamps. If interested in this line we shall be glad to forward Catalog on request.

KOPP GLASS, INC.

Illuminating Glassware and Fixtures

A—Modernistic Designs
Plates A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-8, A-9, A-10, A-11, A-12, A-13 and A-14.

B—Conventional Designs
Plates B-1, B-2, B-3, B-4, B-5, B-6, B-7, B-8, B-9, B-10, B-11 and B-12.

C—Two-piece Units, Crystal Bottoms
Plates C-1, C-2, C-3 and C-4.

D—Kitchen and Bathroom Shades
Plates D-1, D-2, D-3, D-4, D-5, D-6, D-7 and D-8.

E—Special and Small Globes and Cylinders
Plates E-1, E-2, E-3 and E-4.

F—Exit and Sign Balls
Plate F-1.

G—Green Cased Shades
Plate G-1.

H—Fixtures
Plate H-1.

Branch Show Rooms

Dela Croix & Monroe	225 Fifth Ave., New York, N. Y.
D. W. Nichols	629 Chestnut St., Philadelphia, Pa.
R. M. Peare Co.	1553 Merchandise Mart, Chicago, Ill.
R. V. Hughes	1709 Washington Ave., St. Louis, Mo.
Laughlin Sales Co.	1650 Arapahoe St., Denver, Colo.
W. E. Welborne	1612 Maple Ave., Los Angeles, Cal.
Electric Sales Co.	17 South Sixth St., Minneapolis, Minn.
Wilson Illumination Co.	186 Adelaide St., W., Toronto, Ont.

For Prices of Goods Illustrated in Catalog No. 37

See Price List No. 37

Index

Number and Decoration Number	Catalog Plate Number
Cylinders	E-4
5″ Ball	E-1
6″ Ball N	E-1
6″ Exit Ball	F-1
8″ Ball N	E-1
8″ Exit Ball	F-1
10″ Ball	E-1
12″ Ball	E-1
14″ Ball	E-1
16″ Ball	E-1
50 C-1	A-12
50 H-2	A-12
50 K-3	A-12
51 C-1	A-12
51 H-2	A-12
51 K-3	A-12
55 A	A-12
55 B	A-12
55 C	A-12
56 A	D-2
56 C-1	A-12
56 C-2	D-2
56 H-1	A-12
56 H-2	A-12
56 N	A-12
56 N-3	A-5
56 C-4	D-2
56 N-4	D-2
56 C-6	D-2
56 N-14	A-4
101-10	E-3
101-11	E-3
103-1	E-3
103-2	E-3
103-3	E-3
103-4	E-3
103-5	E-3
103-6	E-3
103-7	E-3
103-8	E-3
103-9	E-3
103-10	E-3
104-1	E-3
104-2	E-3
104-3	E-3
104-7	E-3
104-8	E-3
104-9	E-3
104-10	E-3
104-18	D-7
104-19	D-7
104-20	D-7
105-18	D-7
105-19	D-7
105-20	D-7
106-18	D-7
106-19	D-7
106-20	D-7
107-18	D-7
107-19	D-7
107-20	D-7
109 C-3	A-11
109 C-4	A-11
109 C-5	A-11
109 C-6	A-11
112 C-11	E-4
112 H-12	E-4
119 H-9	A-11
119 K-10	A-11
120 N	D-8
120 18	D-7
120 19	D-7
120 20	D-7
120 N-30	D-8
120 N-31	D-8
120 N-32	D-8
120 N-34	D-7
120 N-36	D-7
120 N-37	D-7
120 I	D-8
120 I-30	D-8
120 I-31	D-8
120 I-32	D-8
120 I-34	D-7
120 I-36	D-7
120 I-37	D-7
129 C-3	A-11
129 C-4	A-11
129 C-5	A-11
129 C-6	A-11
130 A	A-11
130 B	A-11
130 C	A-11
132 A	A-11
132 B	A-11
132 C	A-11
133 A	A-11
133 B	A-11
133 C	A-11
136 K-10	E-4
136 C-11	E-4
136 H-12	E-4
140 N	C-4
140 N-1	C-4
140 N-4	C-4
140 N-5	C-4
140 N-6	C-4
146 G	G-1
146 I	D-6
146 I-1	D-6
146 N	D-6
146 N-1	D-4
146 N-3	D-6
146 N-4	D-6
146 N-5	D-5
147 I	D-6
147 I-1	D-6
147 N	D-6
147 N-1	D-4
147 N-3	D-6
147 N-4	D-6
147 N-5	D-5
148 I	D-6
148 I-1	D-6
148 N	D-6
148 N-1	D-4
148 N-3	D-6
148 N-4	D-6
148 N-5	D-5
149 I	D-6
149 I-1	D-6
149 N	D-6
149 N-1	D-4
149 N-3	D-6
149 N-4	D-6
149 N-5	D-5
150 I	D-6
150 I-1	D-6
150 N	D-6
150 N-1	D-4
150 N-3	D-6
150 N-4	D-6
150 N-5	D-5
200 N	D-8
200 N-30	D-8
200 N-31	D-8
200 N-32	D-8
200 N-34	D-7
200 N-36	D-7
200 N-37	D-7
200 I	D-8
200 I-30	D-8
200 I-31	D-8
200 I-32	D-8
200 I-34	D-7
200 I-36	D-7
200 I-37	D-7
201 N	E-1
201 N-30	D-8
201 N-31	D-8
201 N-32	D-8
201 I	D-8
201 I-30	D-8
201 I-31	D-8
201 I-32	D-8
544 G	G-1
546 G	G-1
547 G	G-1
548 G	G-1
549 G	G-1
550 G	G-1
555 G	G-1
556 G	G-1
558 G	G-1
601 C-2	E-3
601 N-3	E-3
601 N-30	E-3
603 C-2	E-3
603 N-3	E-3
603 N-30	E-3
619 N	E-1
755 C-1	E-3
755 H-2	E-3
758 N	E-1
784 N	E-1
785 N	E-1
787 N	E-1
788 N	E-1
828 D	B-12
828 N	B-12
829 D	B-12
829 N	B-12
830 D	B-12
830 N	B-12
831 D	B-12
831 N	B-12
837 D	B-12
837 N	B-12
838 D	B-12
838 N	B-12
841 R-1 Exit	F-1
841 G-2 Exit	F-1
841 C-3 Exit	F-1
841 R-1 Stairs	F-1
841 N-4 Men	F-1
841 N-5 Women	F-1
842 R-1	F-1
842 G-2	F-1
843 D	B-12
843 N	B-12
846 G	G-1
846 N	D-8
846 N-30	D-8
846 N-31	D-8
846 N-32	D-8
846 N-34	D-7
846 N-36	D-7
846 N-37	D-7
846 I	D-8
846 I-30	D-8
846 I-31	D-8
846 I-32	D-8
846 I-34	D-7
846 I-36	D-7
846 I-37	D-7
852 D	B-7
852 D-4	B-7
852 N	B-7
852 N-4	B-7
852 I	B-5
852 L	B-5
853 D	B-7
853 D-4	B-7
853 N	B-7
853 N-4	B-7
853 I	B-5
853 L	B-5
854 D	B-7
854 D-4	B-7
854 N	B-7
854 N-4	B-7
854 I	B-5
854 L	B-5
855 D	B-7
855 D-4	B-7
855 N	B-7
855 N-4	B-7
855 I	B-5
855 L	B-5
860 D	B-9
860 D-4	B-9
860 N	B-9
860 N-4	B-9
860 N-30	D-8
860 N-31	D-8
860 N-32	D-8

Index

Number and Decoration Number	Catalog Plate Number
860 N-34	D-7
860 N-36	D-7
860 N-37	D-7
860 I	D-8
860 I-30	D-8
860 I-31	D-8
860 I-32	D-8
860 I-34	D-7
860 I-36	D-7
860 I-37	D-7
861 D	B-7
861 D-4	B-7
861 N	B-7
861 N-4	B-7
861 I	B-5
861 L	B-5
862 D	B-3
862 D-4	B-3
862 N	B-3
862 N-4	B-3
863 D	B-9
863 D-4	B-9
863 N	B-9
863 N-4	B-9
863 N-30	D-8
863 N-31	D-8
863 N-32	D-8
863 N-34	D-7
863 N-36	D-7
863 N-37	D-7
863 I	D-8
863 I-30	D-8
863 I-31	D-8
863 I-32	D-8
863 I-34	D-7
863 I-36	D-7
863 I-37	D-7
864 C-11	E-4
864 H-12	E-4
865 D	B-7
865 D-4	B-7
865 N	B-7
865 N-4	B-7
865 N-30	D-8
865 N-31	D-8
865 N-32	D-8
865 I	B-5
865 L	B-5
866 D	B-3
866 D-4	B-3
866 N	B-3
866 N-4	B-3
867 D	B-9
867 D-4	B-9
867 N	B-9
867 N-4	B-9
867 N-30	D-8
867 N-31	D-8
867 N-32	D-8
867 N-34	D-7
867 N-36	D-7
867 N-37	D-7
867 I	D-8
867 I-30	D-8
867 I-31	D-8
867 I-32	D-8
867 I-34	D-7
867 I-36	D-7
867 I-37	D-7
868 D	B-9
868 D-4	B-9
868 N	B-9
868 N-4	B-9
869 D	B-9
869 D-4	B-9
869 N	B-9
869 N-4	B-9
869 N-30	D-8
869 N-31	D-8
869 N-32	D-8
869 N-34	D-7
869 N-36	D-7
869 N-37	D-7
869 I	D-8
869 I-30	D-8
869 I-31	D-8
869 I-32	D-8
869 I-34	D-7
869 I-36	D-7
869 I-37	D-7
870 D	B-9
870 D-4	B-9
870 N	B-9
870 N-4	B-9
870 N-30	D-8
870 N-31	D-8
870 N-32	D-8
870 N-34	D-7
870 N-36	D-7
870 N-37	D-7
870 I	D-8
870 I-30	D-8
870 I-31	D-8
870 I-32	D-8
870 I-34	D-7
870 I-36	D-7
870 I-37	D-7
871 C-1	F-1
871 G-2	F-1
872 R-1	F-1
873 D	B-3
873 D-4	B-3
873 N	B-3
873 N-4	B-3
874 D	B-3
874 D-4	B-3
874 N	B-3
874 N-4	B-3
875 D	B-3
875 D-4	B-3
875 N	B-3
875 N-4	B-3
876 D	B-3
876 D-4	B-3
876 N	B-3
876 N-4	B-3
877 D	B-3
877 D-4	B-3
877 N	B-3
877 N-4	B-3
878 D	B-3
878 D-4	B-3
878 N	B-3
878 N-4	B-3
880 D	B-12
880 N	B-12
881 D	B-11
881 D-4	B-11
882 D	B-11
882 D-4	B-11
883 D	B-11
883 D-4	B-11
884 D	B-11
884 D-4	B-11
885 D	B-11
885 D-4	B-11
886 D	B-11
886 D-4	B-11
887 N	D-8
887 N-30	D-8
887 N-31	D-8
887 N-32	D-8
887 N-34	D-7
887 N-36	D-7
887 N-37	D-7
887 I	D-8
887 I-30	D-8
887 I-31	D-8
887 I-32	D-8
887 I-34	D-7
887 I-36	D-7
887 I-37	D-7
888 D	B-12
888 N	B-12
889 D	B-12
889 N	B-12
893 C-1	E-3
893 H-2	E-3
895 D	B-9
895 D-4	B-9
895 N	B-9
895 N-4	B-9
896 D	B-3
896 D-4	B-3
896 N	B-3
896 N-4	B-3
896 N-30	D-8
896 N-31	D-8
896 N-32	D-8
901 D	B-1
902 D	B-1
902 N	B-1
902 N-5	B-1
902 N-6	B-1
902 N-7	B-1
902 N-30	D-8
902 N-31	D-8
902 N-32	D-8
902 N-34	D-7
902 N-36	D-7
902 N-37	D-7
902 I	D-8
902 I-30	D-8
902 I-31	D-8
902 I-32	D-8
902 I-34	D-7
902 I-36	D-7
902 I-37	D-7
903 D	B-1
903 N	B-1
903 N-5	B-1
903 N-6	B-1
903 N-7	B-1
904 D	B-1
904 N	B-1
904 N-5	B-1
904 N-6	B-1
904 N-7	B-1
905 D	B-1
905 N	B-1
905 N-5	B-1
905 N-6	B-1
905 N-7	B-1
906 D	B-1
906 N	B-1
906 N-5	B-1
906 N-6	B-1
906 N-7	B-1
907 D	B-1
907 N	B-1
907 N-5	B-1
907 N-6	B-1
907 N-7	B-1
908 D	B-1
908 N	B-1
908 N-5	B-1
908 N-6	B-1
908 N-7	B-1
909 N-1	E-1
909 N-2	E-1
909 I-3	E-1
911 N	B-10
911 N-4	B-10
912 N	B-10
912 N-4	B-10
913 N	B-10
913 N-4	B-10
914 N	B-10
914 N-4	B-10
915 N	B-10
915 N-4	B-10
916 N	B-10
916 N-4	B-10
917 D	A-8
917 D-1	A-8
917 D-2	A-8
917 D-3	A-8
917 D-4	A-8
917 D-5	A-8
917 N	A-7
917 N-1	A-7
917 N-5	A-7
917 N-22	A-7
917 N-23	A-7
917 N-24	A-7
920 N	C-4
921 D	A-8
921 D-1	A-8
921 D-2	A-8
921 D-3	A-8
921 D-4	A-8
921 D-5	A-8
921 N	A-7
921 N-1	A-7
921 N-5	A-7
921 N-22	A-7
921 N-23	A-7
921 N-24	A-7
922 D	A-8
922 D-1	A-8
922 D-2	A-8
922 D-3	A-8
922 D-4	A-8
922 D-5	A-8
922 N	A-7
922 N-1	A-7
922 N-5	A-7
922 N-22	A-7
922 N-23	A-7
922 N-24	A-7
923 D	A-8
923 D-1	A-8
923 D-2	A-8
923 D-3	A-8
923 D-4	A-8
923 D-5	A-8
923 N	A-7
923 N-1	A-7
923 N-5	A-7
923 N-22	A-7
923 N-23	A-7
923 N-24	A-7
924 D	A-8
924 D-1	A-8
924 D-2	A-8
924 D-3	A-8
924 D-4	A-8
924 D-5	A-8
924 N	A-7
924 N-1	A-7
924 N-5	A-7
924 N-22	A-7
924 N-23	A-7
924 N-24	A-7
925 D	A-8
925 D-1	A-8
925 D-2	A-8
925 D-3	A-8

Index

Number and Decoration Number	Catalog Plate Number
925 D-4	A-8
925 D-5	A-8
925 N	A-7
925 N-1	A-7
925 N-5	A-7
925 N-22	A-7
925 N-23	A-7
925 N-24	A-7
926 D	A-8
926 D-1	A-8
926 D-2	A-8
926 D-3	A-8
926 D-4	A-8
926 D-5	A-8
926 N	A-7
926 N-1	A-7
926 N-5	A-7
926 N-22	A-7
926 N-23	A-7
926 N-24	A-7
927 D	A-10
927 D-7	A-10
927 D-8	A-10
927 D-12	A-10
927 D-13	A-10
927 D-14	A-10
927 N	A-10
927 N-7	A-10
927 N-8	A-10
927 N-12	A-10
927 N-13	A-10
927 N-14	A-10
927 H-9	A-11
927 K-10	A-11
928 D	A-10
928 D-7	A-10
928 D-8	A-10
928 D-12	A-10
928 D-13	A-10
928 D-14	A-10
928 N	A-10
928 N-7	A-10
928 N-8	A-10
928 N-12	A-10
928 N-13	A-10
928 N-14	A-10
928 H-9	A-11
928 K-10	A-11
929 D	A-10
929 D-7	A-10
929 D-8	A-10
929 D-12	A-10
929 D-13	A-10
929 D-14	A-10
929 N	A-10
929 N-7	A-10
929 N-8	A-10
929 N-12	A-10
929 N-13	A-10
929 N-14	A-10
930 D	A-10
930 D-7	A-10
930 D-8	A-10
930 D-12	A-10
930 D-13	A-10
930 D-14	A-10
930 N	A-10
930 N-7	A-10
930 N-8	A-10
930 N-12	A-10
930 N-13	A-10
930 N-14	A-10
931 D	A-10
931 D-7	A-10
931 D-8	A-10
931 D-12	A-10
931 D-13	A-10
931 D-14	A-10
931 N	A-10
931 N-7	A-10
931 N-8	A-10
931 N-12	A-10
931 N-13	A-10
931 N-14	A-10
933 D	A-10
933 D-7	A-10
933 D-8	A-10
933 D-12	A-10
933 D-13	A-10
933 D-14	A-10
933 N	A-10
933 N-7	A-10
933 N-8	A-10
933 N-12	A-10
933 N-13	A-10
933 N-14	A-10
933 H-9	A-11
933 K-10	A-11
934 D	A-6
934 C-1	A-6
934 C-2	A-6
934 H-1	A-6
934 H-2	A-6
934 N	A-6
934 N-3	A-6
934 N-14	A-4
935 D	A-6
935 C-1	A-6
935 C-2	A-6 & D-2
935 H-1	A-6
935 H-2	A-6
935 N	A-6
935 N-3	A-6
935 N-14	A-4
936 D	A-6
936 C-1	A-6
936 C-2	A-6 & D-2
936 H-1	A-6
936 H-2	A-6
936 N	A-6
936 N-3	A-6
936 N-14	A-4
937 D	A-6
937 C-2	A-6 & D-2
937 H-2	A-6
937 N	A-6
937 N-3	A-5
937 N-14	A-4
938 D	A-6
938 C-2	A-6 & D-2
938 H-2	A-6
938 N	A-6
938 N-3	A-5
938 N-14	A-4
939 D	A-6
939 C-2	A-6
939 H-2	A-6
939 N	A-6
939 N-3	A-5
939 N-14	A-4
940 D	A-6
940 C-2	A-6
940 H-2	A-6
940 N	A-6
940 N-3	A-5
940 N-14	A-4
941 D	A-6
941 C-2	A-6
941 H-2	A-6
941 N	A-6
941 N-3	A-6
941 N-14	A-4
942 D	A-6
942 C-2	A-6
942 H-2	A-6
942 N	A-6
942 N-3	A-5
942 N-14	A-4
943 D	D-2
943 C-2	D-2
943 H-2	D-2
943 N	D-2
943 N-3	D-2
943 C-6	D-2
948 R-1	F-1
948 G-2	F-1
948 N-6	F-1
951 N	C-3
951 N-2	C-3
952 N	C-2
957 N	A-9
957 N-2	A-9
957 N-3	A-9
957 N-4	A-9
957 D	A-9
957 D-2	A-9
957 D-3	A-9
957 D-4	A-9
958 R-1	F-1
958 G-2	F-1
959 D	B-1
959 N	B-1
959 N-5	B-1
959 N-6	B-1
959 N-7	B-1
961 N	A-13
961 N-30	A-13
961 N-31	A-13
961 N-32	A-13
961 N-40	A-13
961 N-41	A-13
961 N-42	A-13
962 N	A-13
962 N-30	A-13
962 N-31	A-13
962 N-32	A-13
962 N-40	A-13
962 N-41	A-13
962 N-42	A-13
963 N	A-13
963 N-30	A-13
963 N-31	A-13
963 N-32	A-13
963 N-40	A-13
963 N-41	A-13
963 N-42	A-13
964 N	A-13
964 N-30	A-13
964 N-31	A-13
964 N-32	A-13
964 N-40	A-13
964 N-41	A-13
964 N-42	A-13
965 N	A-13
965 N-30	A-13
965 N-31	A-13
965 N-32	A-13
965 N-40	A-13
965 N-41	A-13
965 N-42	A-13
966 N	A-13
966 N-30	A-13
966 N-31	A-13
966 N-32	A-13
966 N-40	A-13
966 N-41	A-13
966 N-42	A-13
967 N	A-13
967 N-30	A-13
967 N-31	A-13
967 N-32	A-13
967 N-40	A-13
967 N-41	A-13
967 N-42	A-13
970 N	A-2 & A-3
970 D	A-3
970 C-2	A-3
970 H-2	A-3
970 N-3	A-2 & A-3
970 C-5	A-3
971 N	A-2 & A-3
971 D	A-3
971 C-2	A-3
971 H-2	A-3
971 N-3	A-2 & A-3
971 C-5	A-3
972 N	A-2 & A-3
972 D	A-3
972 C-2	A-3
972 H-2	A-3
972 N-3	A-2 & A-3
972 C-5	A-3
8023 G	G-1
8023 K	G-1
8023 E	G-1

Fixtures

Number and Decoration Number	Catalog Plate Number
102-S	H-1
103-S	H-1
104-S	H-1
105-S	H-1
156	A-12
0102	H-1
0103	H-1
0104	H-1
0105	H-1
2970	H-1
2971	H-1
2975	H-1
2985	H-1
2990	H-1
2991	H-1
2992	H-1
2993	H-1

We give you below a description of the various Glasses we produce

Delica White Cased Glass

On account of the process employed in making Delica White Cased Glass, viz., that of casing or spreading Crystal Glass over a fine film of high grade Pure White Glass, we obtain a Glass of greatest diffusion and smallest absorption, with a highly polished surface. A simple test to show the delicacy of this Glass is to lay a piece of printed matter against the inner surface of the Glass and you will note that it can be easily read, which cannot be done with other Glasses.

Nicco Opal Glass

Our Nicco Opal Glass is also a Glass of special merit and should not be confused with ordinary Opal Glass. It is also the result of years of experiments, and we do not hesitate to say that it is the strongest Glass on the market to-day. Besides having a low absorption and good diffusion it will also withstand various changes in temperature, and has proven highly satisfactory in places where Glass is exposed to changes of the elements. We believe a trial of this Glass will convince you of the superiority we claim for it.

Daylight Cased Glass

This Glass is produced by placing a thin film of highly diffusing white Glass under a blue tinted Crystal Glass, the light emitted giving daylight effect. It is especially suitable for Factories, Drafting Rooms and other places where daylight illumination is desired. See Plate B-6, for further information pertaining to Daylight Glass.

Ivory Glass

This is not a Cased Glass, but a true Ivory Color Glass, having the same general properties as the Nicco Opal Heat Resisting Glass, and has been developed after exhaustive study and experiments. This Glass is more for decorative effect where a strong light is not desired. It is most suitable for Hospitals, Churches and special effects in interiors.

Havana Glass

Our Havana Glass is a Lead Glass of a rich Golden hue, and is not to be confused with the Glass commonly called Amber. Havana Glass is easily distinguished from Amber by its brilliancy in appearance and rich metallic sound.

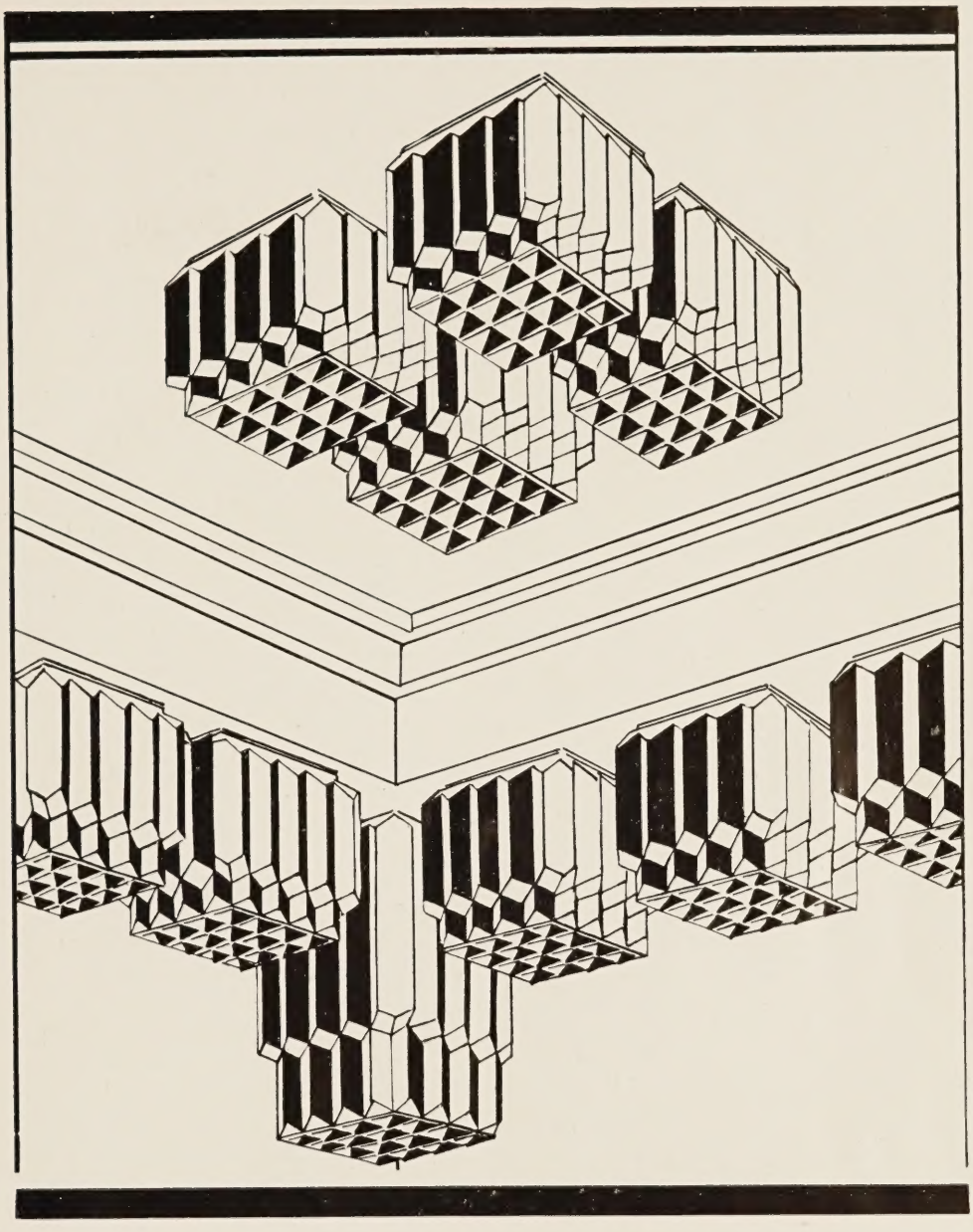
Other Glasses

Crystal Glass is a Semi-Lead Glass, much superior to the ordinary run of Crystal Glass on the market today, and is noted for its durability and brilliancy.

The Rose Glass is a rich Rose Tint, very effective in crackled designs.

Green Cased Glass—Our Green Cased Glass is a rich Emerald Green colored Glass over a layer of pure white Glass.

Suggestions for Grouping the 970 Line



These Units embody the basic Prismatic designs, which, on account of their plain and graceful appearance, have been so favorably received by the buying public. The design being square in shape permits the Units to be grouped and aligned in many different and artistic formations. They are also splendidly adapted to individual lighting.

Another advantage—the Square and the original Round Prismatic Units will harmonize well together, so that from our combined Prismatic lines suitable shapes and sizes may be found for the different rooms of an entire building.

The 970 Line
Modernistic Units, Square Prismatic Design—Nicco Opal Glass

Patent Applied For

The 970 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

N Nicco Opal
N-3 Nicco, Black Lines
For other Decorations 970 Line, see Plate A-3.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
970	4¾	3¼	6½	60	1 doz.	15 lbs.
971	12	6	9	200–300	1/6 doz.	12 lbs.
972	12	6	17	200–300	1/12 doz.	12 lbs.

The fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 970 Line—Modernistic Units, Square Prismatic Design
Delica White Cased, Nicco Opal, Crystal and Havana Glass

Patent Applied For

The 970 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

N	Nicco Opal	**H-2**	Havana (Amber) Etched, Clear Stripe
D	Delica White	**N-3**	Nicco, Black Lines
C-2	Crystal Etched, Clear Stripe	**C-5**	Crystal Crustaire

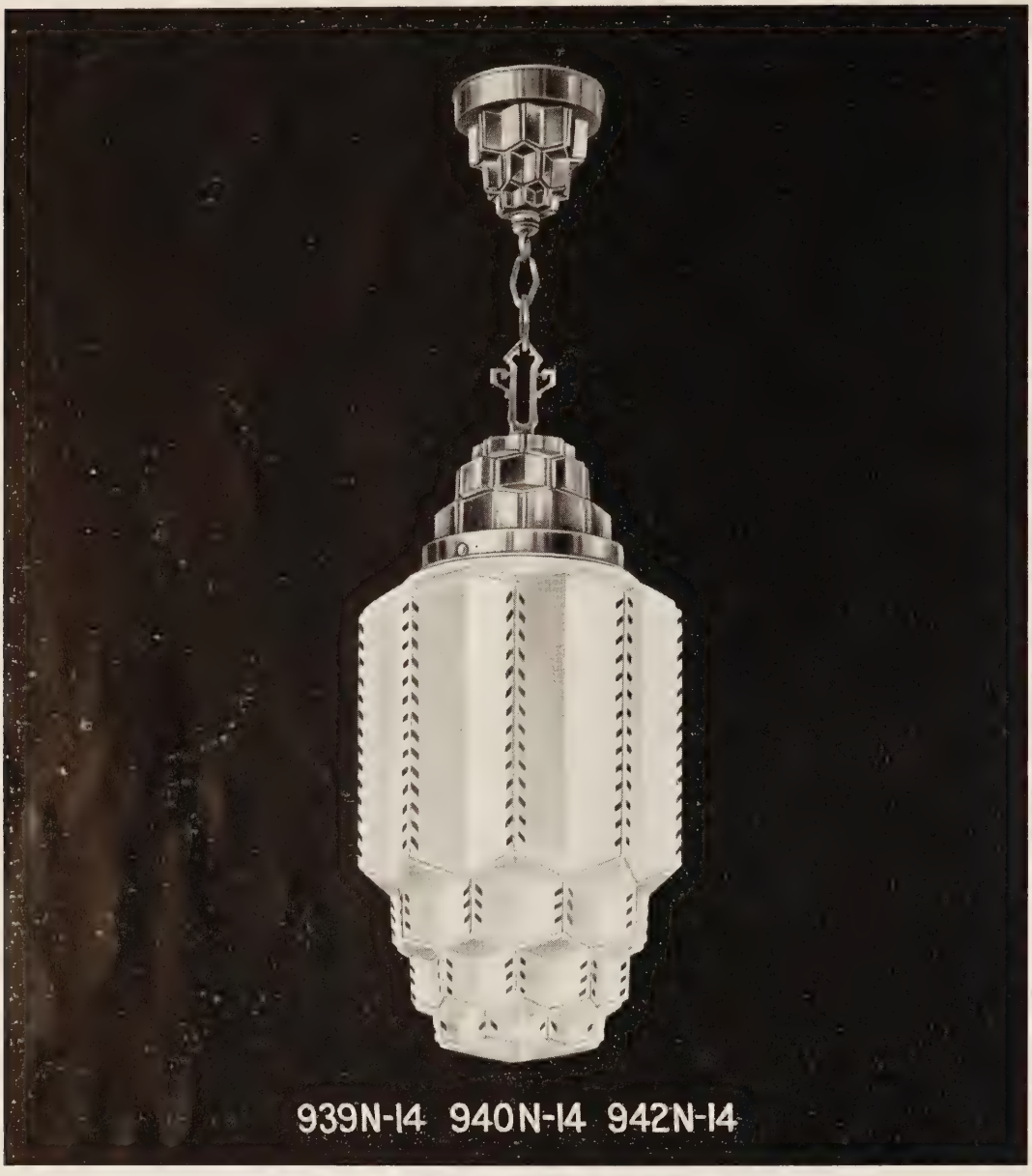
For other Decorations 970 Line, see Plate A-2.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
970	4¾	3¼	6½	60	1 doz.	15 lbs.
971	12	6	9	200–300	1/6 doz.	12 lbs.
972	12	6	17	200–300	1/12 doz.	12 lbs.

Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 935 Line
Modernistic Units, Prismatic Design—Nicco Opal Glass



Globe Design Patent No. 75631

Decoration N-14 Nicco, Decoration Black

The N-14 Decoration is furnished on all numbers in the 935 Line listed below.
For other Decorations 935 Line, see Plates A-5, A-6, A-12 and D-2.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
56 N-14	9¼ x 5⅜	----	3¼	25	1 doz.	29 lbs.
934 N-14	4¼	2¼	6	40–60	1 doz.	15 lbs.
935 N-14	4¼	3¼	6	40–60	1 doz.	15 lbs.
936 N-14	6	4	9	60–100	1 doz.	32 lbs.
937 N-14	8½	4	6¾	60–100	2/3 doz.	24 lbs.
938 N-14	12	6	9½	200–300	1/6 doz.	18 lbs.
939 N-14	10	6	16	200–300	1/12 doz.	13 lbs.
940 N-14	12½	6	20	300–500	1/12 doz.	16 lbs.
941 N-14	8	4	12	100–150	1/3 doz.	16 lbs.
942 N-14	18	8	22	500	1/12 doz.	35 lbs.

The Fixture illustrated above is No. 0103. See Plate H-1 for further information pertaining to Fixture.
Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 935 Line
Modernistic Units, Prismatic Design—Nicco Opal Glass

Globe Design Patent No. 75631

Decoration N-3 Nicco, Black Lines

For other Decorations 935 Line, See Plates A-4, A-6, A-12 and D-2.

The Units illustrated above are made in the following sizes:

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
56 N-3	9¼ x 5⅜	--	3¼	25	1 doz.	29 lbs.
937 N-3	8½	4	6¾	60–100	2/3 doz.	24 lbs.
938 N-3	12	6	9½	200–300	1/6 doz.	18 lbs.
939 N-3	10	6	16	200–300	1/12 doz.	13 lbs.
940 N-3	12½	6	20	300–500	1/12 doz.	16 lbs.
942 N-3	18	8	22	500	1/12 doz.	35 lbs.

The Fixtures illustrated above are—Chain Type No. 102-S—4″ Fitter, No. 103-S—6″ Fitter. Ceiling Type, No. 104-S—4″ Fitter, No. 105-S—6″ Fitter. See Plate H-1, for further information pertaining to Fixtures. See Plate A-12 for Metal Bracket for No. 56.

Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 935 Line—Modernistic Units, Prismatic Design—Delica White Cased, Nicco Opal, Crystal and Havana Glass

Globe Design Patent No. 75631

The 935 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

934-935-936

D	Delica White
C-1	Crystal Roughed Inside
C-2	Crystal Etched, Clear Stripe
H-1	Havana (Amber) Roughed Inside
H-2	Havana (Amber) Etched, Clear Stripe
N	Nicco Opal
N-3	Nicco, Black Lines

937-938-939-940-941-942

D	Delica White
C-2	Crystal Etched, Clear Stripe
H-2	Havana (Amber) Etched, Clear Stripe
N	Nicco Opal
N-3	Nicco, Black Lines

For other Decorations 935 Line, see Plates A-4, A-5 and D-2.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
934	4¼	2¼	6	40–60	1 doz.	15 lbs.
935	4¼	3¼	6	40–60	1 doz.	15 lbs.
936	6	4	9	60–100	1 doz.	32 lbs.
937	8½	4	6¾	60–100	2/3 doz.	24 lbs.
938	12	6	9½	200–300	1/6 doz.	18 lbs.
939	10	6	16	200–300	1/12 doz.	13 lbs.
940	12½	6	20	300–500	1/12 doz.	16 lbs.
941	8	4	12	100–150	1/3 doz.	16 lbs.
942	18	8	22	500	1/12 doz.	35 lbs.

The Fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1, for further information pertaining to Fixtures.
Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 917 Line—Modernistic Units—Nicco Opal Glass

Globe Design Patent No. 75630

The 917 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

N	Nicco Opal	**N-22**	Nicco, "Modernistic" Decoration B Orchid
N-1	Nicco, Green Lines	**N-23**	Nicco, "Modernistic" Decoration B Jade
N-5	Nicco, Onyx Decoration	**N-24**	Nicco, "Modernistic" Decoration B Ecru

For other Decorations 917 Line, see Plate A-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
917	7	4	10	100–150	1 doz.	32 lbs.
921	5½	3¼	7½	60	1 doz.	25 lbs.
922	10	4	7½	150	1/2 doz.	24 lbs.
923	12	6	9	200	1/6 doz.	14 lbs.
924	14	6	10½	200–300	1/6 doz.	18 lbs.
925	16	6	12	300–500	1/12 & 1/6 doz.	15 & 24 lbs.
926	12	4	9	200	1/6 doz.	14 lbs.

The Fixtures illustrated above are—Chain type, No. 2992—4″ Fitter, No. 2993—6″ Fitter. Ceiling type, No. 2990—4″ Fitter, No. 2991—6″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 917 Line—Modernistic Units—Delica White Cased Glass

Globe Design Patent No. 75630

The 917 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions

D	Delica White	**D-2**	Delica White "Modernistic" Dec. A Black
D-1	Delica White, Green Lines	**D-3**	Delica White "Modernistic" Dec. A Green
D-5	Delica White, Onyx Decoration	**D-4**	Delica White "Modernistic" Dec. A Ecru

For other Decorations 917 Line, see Plate A-7.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
917	7	4	10	100–150	1 doz.	32 lbs.
921	5½	3¼	7½	60	1 doz.	25 lbs.
922	10	4	7½	150	1/2 doz.	24 lbs.
923	12	6	9	200	1/6 doz.	14 lbs.
924	14	6	10½	200–300	1/6 doz.	18 lbs.
925	16	6	12	300–500	1/12 & 1/6 doz.	15-24 lbs.
926	12	4	9	200	1/6 doz.	14 lbs.

The Fixtures illustrated above are—Chain Type No. 0102—4″ Fitter, No. 0103—6″ Fitter. Ceiling Type No. 0104—4″ Fitter, No. 0105—6″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

Modernistic Units—Delica White Cased and Nicco Opal Glass

Globe Design Patent No. 75630

Unit No. 957 illustrated above is made in the following Decorations:

Decoration Numbers and Descriptions:

N	Nicco, Opal
N-2	Nicco, New Shield Decoration Black
N-3	Nicco, New Shield Decoration Green
N-4	Nicco, New Shield Decoration Ecru
D	Delica White
D-2	Delica White, New Shield Decoration Black
D-3	Delica White, New Shield Decoration Green
D-4	Delica White, New Shield Decoration Ecru

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
957	18	8	15½	500–750	1/12 doz.	19 lbs.

The Fixture shown above for illustration only.
Above Unit is furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 927 Line
Modernistic Units—Delica White and Nicco Opal Glass

Globe Design Patent No. 77319

The 927 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

D	Delica White	**N**	Nicco Opal
D-7	Delica White, Black Lines	**N-7**	Nicco, Black Lines
D-8	Delica White, Ruby Lines	**N-8**	Nicco, Ruby Lines
D-12	Delica White "Modernistic" Design B, Black	**N-12**	Nicco, "Modernistic" Design B, Black
D-13	Delica White "Modernistic" Design B, Jade	**N-13**	Nicco, "Modernistic" Design B, Jade
D-14	Delica White "Modernistic" Design B, Ecru	**N-14**	Nicco, "Modernistic" Design B, Ecru

For other Decorations 927 Line, see Plate A-11.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
927	6	3¼	5	25	1 doz.	14 lbs.
928	10	4	8½	60–100	1/2 doz.	24 lbs.
929	12	6	10	100–150	1/6 doz.	14 lbs.
930	14	6	11½	200–300	1/6 doz.	15 lbs.
931	16	6	13¼	300–500	1/12 & 1/6 doz.	12 & 23 lbs.
933	8	4	6¼	40–60	1 doz.	20 lbs.

The Fixtures illustrated above are Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.
Above Units are not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

Torchere Cylinders and Shades—Crystal and Colored Glass

No. 927-928-933 Design Patent 77319 **Nos. 109 and 129 Design Patent 78632**

Decoration Numbers and Descriptions:

109-129
- **C-3** Crystal Etched, Crystal Ice Decoration
- **C-4** Crystal Etched, Yellow Ice Decoration
- **C-5** Crystal Etched, Green Ice Decoration
- **C-6** Crystal Etched, Clear Lines

119-927-928-933
- **H-9** Havana (Amber) Crackled Etched
- **K-10** Rose Crackled, Etched

130-132-133
- **A** Crystal, Satin Finish
- **B** Amber, Satin Finish
- **C** Rose, Satin Finish

For other Decorations Nos. 927, 928 and 933, see Plate A-10.

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
109	4½	1½	3½	3 doz.	40 lbs.
129	6½	2¼	8	1 doz.	35 lbs.
119	4⅜	1½	3⅝	1 doz.	12 lbs.
927	6	3¼	5	1 doz.	14 lbs.
928	10	4	8½	1/2 doz.	24 lbs.
933	8	4	6¼	1 doz.	20 lbs.
	Dimensions:				
130	Height 7½″, top opening 3″, fitter 1⅝″ diameter, ½″ deep.			1 doz.	12 lbs.
132	Height 11″, top opening 3¼″, fitter 2¼″ diameter, ⅞″ deep.			1/2 doz.	18 lbs.
133	Height 9″, top opening 6″, fitter 3″ diameter, ¼″ deep.			1/2 doz.	23 lbs.

Nos. 109 and 119 are furnished with Brass and Fibre Ring, Screw Fitter, or with Spring Holder, and these are included in the price. When ordering be sure to state which fitter is wanted.

ORDER BY NUMBER AND DECORATION NUMBER

Shields and Wall Lights—Crystal, Colored and Nicco Opal Glass

Decoration Numbers and Descriptions:

50-51

C-1	Crystal, Etched both sides
H-2	Amber, Etched both sides
K-3	Rose, Etched both sides

55

A	Clear Crystal
B	Crystal, Satin Finish inside and outside
C	Crystal, Enamel Finish inside only

56

N	Nicco Opal
C-1	Crystal Roughed Inside
H-1	Havana (Amber) Roughed Inside
H-2	Havana (Amber) Etched, Clear Stripe

For other Decorations No. 56, see Plates A-4, A-5 and D-2.

Number		Dimensions	Quantity to Standard Package	Approximate Shipping Weight
50	Plate	9 x 7″	12 1/2 doz.	173 lbs.
51	Plate	9 x 7″	12 1/2 doz.	173 lbs.
55	Wall Light	Height 12¼″, Width 4½″, Depth 2¼″	2 1/2 doz.	133 lbs.
56	Wall Light	Height 9¼″, Width 5⅜″, Depth 3¼″	1 doz.	29 lbs.

The Metal Bracket shown with No. 56 Wall Light is Bracket No. 156, dimensions 8½ x 5″. This is furnished bare only.

ORDER BY NUMBER AND DECORATION NUMBER

The 960 Line—Nicco Opal Glass

Patent Applied For

The 960 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

N Nicco Opal
N-30 Nicco, Black Lines
N-31 Nicco, Jade Lines
N-32 Nicco, Ecru Lines
N-40 Nicco, "Modernistic" Decoration, Black
N-41 Nicco, "Modernistic" Decoration, Jade
N-42 Nicco, "Modernistic" Decoration, Ecru

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
961	10	4	7¼	100–150	1/2 doz.	24 lbs.
962	12	6	8½	150–200	1/6 doz.	15 lbs.
963	14	6	10	200	1/6 doz.	18 lbs.
964	16	6	11¾	300	1/12 & 1/6 doz.	15 & 18 lbs.
965	18	8	12¾	300–500	1/12 doz.	18 lbs.
966	4¾	2¼	4	25–40	1 doz.	14 lbs.
***967**	7	2¼	5¼	40–75	1 doz.	19 lbs.

The Fixtures illustrated above are—Chain Type, No. 102-S—4″ Fitter, No. 103-S—6″ Fitter. Ceiling Type No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

*No. 967 has 5½″ bottom opening.

ORDER BY NUMBER AND DECORATION NUMBER

Photometric Data 960 Line

CANDLEPOWER DISTRIBUTION TEST:

UNIT No. 962 Nicco Glass

FOR Kopp Glass, Inc.,
Swissvale, Pa.

LAMP 200 Watt Mazda C

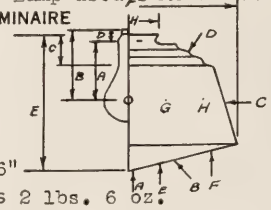
BULB P.S. Clear, ring filament- 115 volt

HOLDER 6" Submitted with Luminaire

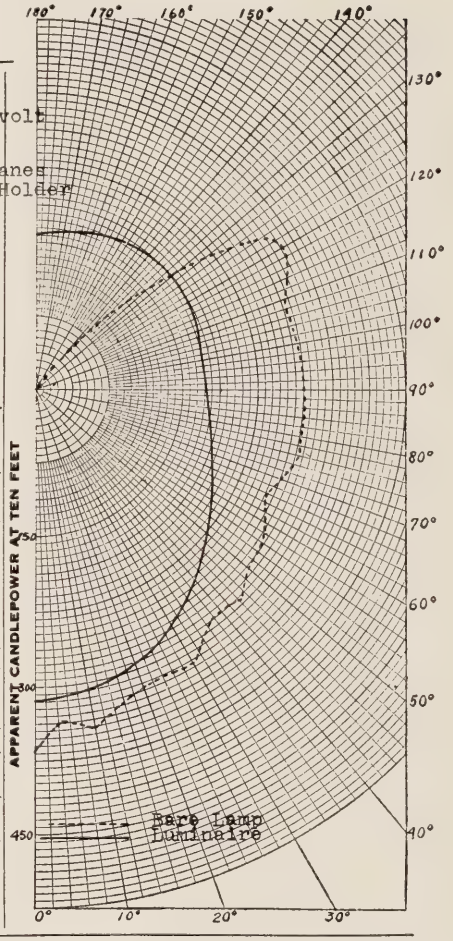
PROCEDURE Readings taken in three planes
Bare Lamp used same as in Holder

DIMENSIONS OF LUMINAIRE

A	3 1/4"
B	6"
C	2 1/4"
D	2 3/4"
E	8 1/2"
F	11 7/8" H=6"



WEIGHT OF GLASS 2 lbs. 6 oz.



LUMINAIRE DISTRIBUTION DATA

Mean Vertical

MID-ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS
0°	311		95°	170	185
5°	308	29	105°	172	182
15°	304	86	115°	179	178
25°	280	130	125°	182	164
35°	263	165	135°	181	140
45°	241	187	145°	179	113
55°	216	194	155°	172	80
65°	198	197	165°	192	46
75°	183	194	175°	163	16
85°	178	194	180°	157	

LIGHT FLUX VALUES

ZONE	LUMENS LAMP	LUMENS LUMINAIRE	PERCENT TOTAL LUMENS BARE LAMP	PERCENT LIGHT OUTPUT
0-30°	274	245	8.3	
0-60°	936	791	26.9	
0-90°	1780	1376	46.8	84.5
90°-180°	1161	1104	37.5	

LUMINAIRE BRIGHTNESS

MILLILAMBERTS AND CANDLEPOWER PER SQUARE INCH

LOCATIONS	A	B	C	D	E	F	G	H
MILLILAMBERTS	2020	1650	1440	1800	2020	1410	1440	1440
CP. PER SQ. IN.	4.14	3.39	2.96	3.7	4.14	3.07	2.96	2.96

TESTED BY Wm H Mickener
P.C Ashe

DATE 5/14/30

AT CARNEGIE INSTITUTE OF TECHNOLOGY, PITTSBURGH, PA.

Above is shown reproduction of Candlepower Distribution Test of Unit No. **962 N**, Nicco Opal Glass. A full size blueprint will be furnished on request.

975 Modernistic Unit, New Prismatic Design, Delica White Cased, Opalescent Cased, Crystal and Nicco Opal Glass

Patent Applied For

Unit No. 975 illustrated above is made in the following Decorations:

Decoration Numbers and Descriptions:

N	Nicco Opal
D	Delica White
A-2	Opalescent Cased, Clear Stripe
C-2	Crystal Etched, Clear Stripe

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommend. Watts	Quantity to Standard Package	Approximate Shipping Weight
975	14	6	14	200–300	1/12 doz.	10 lbs.

The Fixture illustrated above is No. 2993 –6″ Fitter. See Plate H-1 for further information pertaining to Fixture.

Above Unit is not furnished with hole in bottom.

ORDER BY NUMBER AND DECORATION NUMBER

The 901 Line—Delica White Cased and Nicco Opal Glass

The 901 Line is made in the following sizes and Decorations:

Decoration Numbers and Descriptions:

D	Delica White
N	Nicco Opal
N-5	Nicco "Modernistic" Decoration Black
N-6	Nicco "Modernistic" Decoration Green
N-7	Nicco "Modernistic" Decoration Ecru

For other Decorations No. 902, see Plates D-7 and D-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
901	6½	3¼	5½	50–75	1 doz.	18 lbs.
902	8½	4	7¼	75–100	2/3 doz.	28 lbs.
903	10½	4	8	100–150	1/3 doz.	22 lbs.
904	12½	6	10	150–200	1/6 doz.	18 lbs.
905	14½	6	10¾	200	1/6 doz.	20 lbs.
906	16	6	12½	300	1/12 & 1/6 doz.	15 & 18 lbs.
907	18	6	14¾	300–500	1/12 doz.	20 lbs.
908	12½	4	10	150–200	1/6 doz.	18 lbs.
959	18	8	14¾	300–500	1/12 doz.	20 lbs.

The Fixtures illustrated above are Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

ORDER BY NUMBER AND DECORATION NUMBER

Photometric Data 901 Line

CANDLEPOWER DISTRIBUTION TEST:

UNIT No. 905 Delica White

FOR KOPP GLASS, Inc.
Swissvale, Pa.

LAMP 200 watt, Mazda C.

BULB P.S. Clear, ring filament. 115 volt

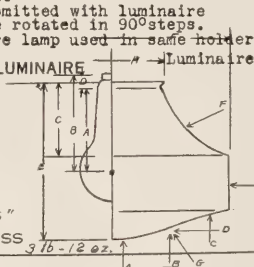
HOLDER 6", submitted with luminaire

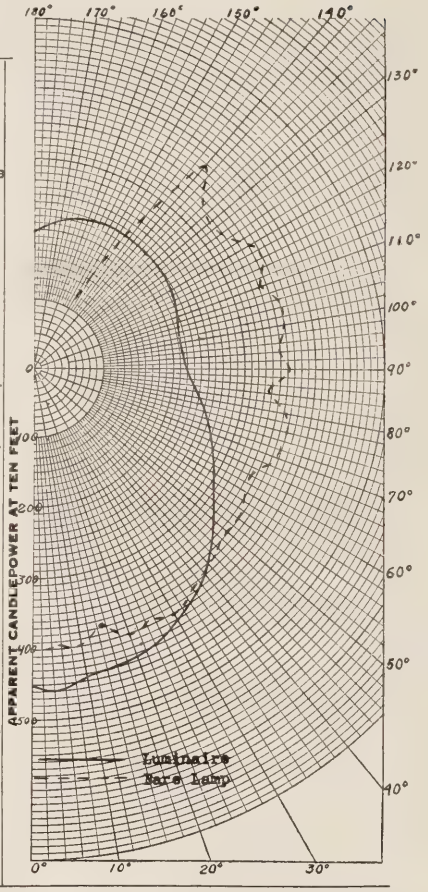
PROCEDURE Luminaire rotated in 90° steps. Bare lamp used in same holder as Luminaire.

DIMENSIONS OF LUMINAIRE

A	5½"
B	4"
C	4½"
D	1"
E	10⅞"
F	14½" H-6"

WEIGHT OF GLASS 3 lb-12 oz.





LUMINAIRE DISTRIBUTION DATA

Mean Vertical

MID-ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS
0°	452		98°	217	237
5°	458	44	105°	216	229
15°	441	125	115°	222	221
25°	428	198	125°	232	209
35°	400	252	135°	231	179
45°	363	281	145°	232	146
55°	316	284	155°	230	107
65°	285	283	165°	223	63
75°	254	269	175°	209	20
85°	230	251	180°	198	

LIGHT FLUX VALUES

ZONE	LUMENS		PERCENT	
	LAMP	LUMINAIRE	TOTAL LUMENS BARE LAMP	LIGHT OUTPUT
0°-30°	334	367	8.9	
0°-60°	1182	1184	28.7	
0°-90°	2297	1987	48.2	83
90°-180°	1834	1411	34.5	

LUMINAIRE BRIGHTNESS

MILLILAMBERTS AND CANDLEPOWER PER SQUARE INCH

LOCATIONS	A	B	C	D	E	F	G	H
Note: Arrows indicate locations and angle of view.								
MILLILAMBERTS	1910	1810	1130	1450	827	1130	1700	
CP. PER SQ. IN.	3.92	3.71	2.33	2.97	1.7	2.33	3.5	

TESTED BY Wm H Michener
F. C. Ashe

DATE 1-7-30

AT CARNEGIE INSTITUTE OF TECHNOLOGY. PITTSBURGH, PA.

Above is shown reproduction of Candlepower Distribution Test of Unit No. **905-D**, Delica White Cased Glass. Tests have been made of other sizes in this line. Full size blueprints will be furnished on request.

The 862 Line—Delica White Cased and Nicco Opal Glass

The 862 Line is made in the following sizes and Decorations:

Decoration Numbers and Descriptions:

D Delica White
D-4 Delica White "Empire" Design in Ecru
N Nicco Opal
N-4 Nicco "Empire" Design in Ecru

For other Decorations No. 896, see Plate D-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
862	12	6	12	150–200	1/6 doz.	17 lbs.
866	7	4	7	50–75	1 doz.	23 lbs.
873	10	4	10	100–150	1/3 doz.	22 lbs.
874	10	5	10	100–150	1/3 doz.	22 lbs.
875	14	6	13½	200	1/12 doz.	12 lbs.
876	14	8	13½	200	1/12 doz.	12 lbs.
877	16	6	15½	300	1/12 doz.	15 lbs.
878	16	8	15½	300	1/12 doz.	15 lbs.
896	8	4	8	75–100	2/3 doz.	27 lbs.

The Fixtures illustrated above are—Chain Type No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

ORDER BY NUMBER AND DECORATION NUMBER

Photometric Data 862 Line

CANDLEPOWER DISTRIBUTION TEST:

UNIT No. 875 Nicco Opal

FOR KOPP GLASS, INC.
Swissvale, Pa.

LAMP 200 Watt Mazda

BULB P. S. Clear, ring filament
115 Volt

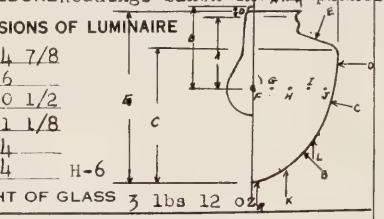
HOLDER 6" Submitted with Luminaire
White blotting paper in Holder

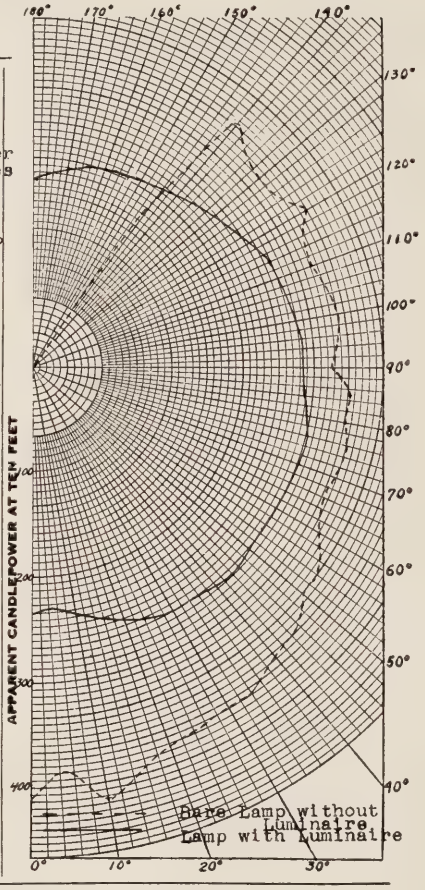
PROCEDURE Readings taken in two planes

DIMENSIONS OF LUMINAIRE

A	4 7/8
B	6
C	10 1/2
D	1 1/8
E	14
F	14 H-6

WEIGHT OF GLASS 3 lbs 12 oz





LUMINAIRE DISTRIBUTION DATA

Mean Vertical

MID-ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID-ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS
0°	233		95°	257	280
5°	231	22	105°	250	265
15°	242	70	115°	244	242
25°	262	121	125°	230	207
35°	262	168	135°	220	171
45°	273	212	145°	210	132
55°	266	239	155°	203	94
65°	267	265	165°	198	56
75°	269	285	175°	187	18
85°	259	282			

LIGHT FLUX VALUES

ZONE	LUMENS		PERCENT TOTAL LUMENS	
	LAMP	LUMINAIRE	BARE LAMP	LIGHT OUTPUT
0°-30°	326	213	5.9	
0°-60°	1123	832	23.2	
0°-90°	2074	1664	46.5	87
90°-180°	1507	1465	40.8	

LUMINAIRE BRIGHTNESS

MILLILAMBERTS AND CANDLEPOWER PER SQUARE INCH

LOCATIONS	A	B	C	D	E	F	G	H	I	J	K	L
MILLILAMBERTS	790	857	966	1020	995	1030	940	940	940	823	872	702
CP. PER SQ. IN.	1.62	1.76	1.86	2.09	2.04	2.11	1.93	1.93	1.93	169	179	144

TESTED BY Wm. H. Michener
J. S. Hunt

AT CARNEGIE INSTITUTE OF TECHNOLOGY. PITTSBURGH, PA.

Above is shown reproduction of Candlepower Distribution Test of Unit No. 875-N, Nicco Opal Glass. Tests have been made of other sizes in this line. Full size blueprints will be furnished on request.

The 852 Line—Daylight Cased and Ivory Glass

The 852 Line is made in the following Sizes and Decorations:

Decoration Letters and Descriptions:

I Plain Ivory

L Daylight Cased

For other Decorations 852 Line, see Plates B-7 and D-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
852	10	4	7	100–150	1/2 doz.	25 lbs.
853	12	6	9	150–200	1/6 doz.	16 lbs.
854	14	6	9½	200	1/6 doz.	18 lbs.
855	16	6	11½	300	1/12 & 1/6 doz.	15 & 18 lbs.
861	12	4	9	150–200	1/6 doz.	16 lbs.
865	8	4	6	75–100	1 doz.	26 lbs.

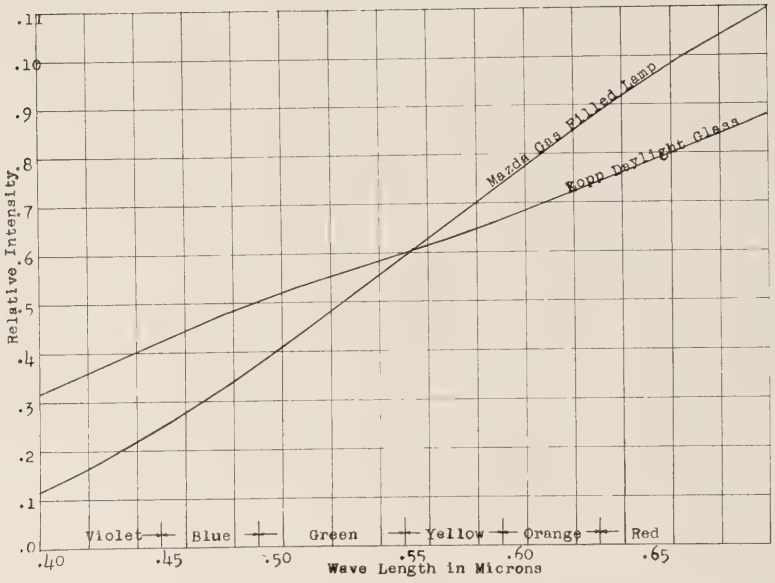
The Fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

Other Lines of Units illustrated in this Catalog can also be furnished in Daylight Cased Glass, on quantity order. Prices quoted on request.

ORDER BY NUMBER AND DECORATION NUMBER

Kopp's Daylight Glass



Distribution Curves Daylight Glass

Curves showing relative spectral distribution of light from a gas filled Mazda Lamp, and from same in conjunction with Kopp's Daylight Glass. The curves represent distributions for equal illuminations.

Kopp's Daylight Glass

It is a fact, well known to physicists, that the maximum of the luminosity curve of the eye is in the same region of the spectrum as the maximum of the radiant energy of the sunlight. This fact substantiates the vast amount of evidence of a physiological nature, that the eye is adapted to see better and with less strain and discomfort by daylight than by an artificial illuminant of a different spectral distribution.

Kopp's Daylight Glass, so called because it transforms the light from an ordinary Electric Lamp Bulb into a soft white light that more nearly approaches daylight. Spectra photometric analysis show that the light transmitted by this Glass is as near to actual daylight as can be obtained by the use of any Commercial Lighting Glass. This is accomplished with the highest efficiency, compatible with the results obtained.

The 852 Line—Delica White Cased and Nicco Opal Glass

The 852 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

D Delica White
D-4 Delica White "Empire" Design in Ecru
N Nicco Opal
N-4 Nicco "Empire" Design in Ecru

For other Decorations 852 Line, see Plates B-5 and D-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
852	10	4	7	100–150	1/2 doz.	25 lbs.
853	12	6	9	150–200	1/6 doz.	16 lbs.
854	14	6	9½	200	1/6 doz.	18 lbs.
855	16	6	11½	300	1/12 & 1/6 doz.	15 & 18 lbs.
861	12	4	9	150–200	1/6 doz.	16 lbs.
865	8	4	6	75–100	1 doz.	26 lbs.

The Fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

ORDER BY NUMBER AND DECORATION NUMBER

Photometric Data 852 Line

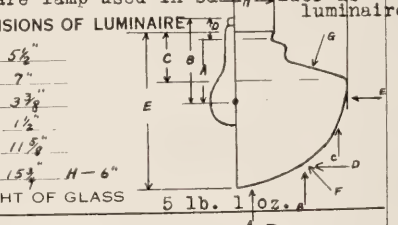
CANDLEPOWER DISTRIBUTION TEST:

UNIT No. 855 Delica White Glass

FOR KOPP GLASS, Inc.
Swissvale, Pa.

LAMP 300 watt, Mazda C.
BULB P.S. Clear, ring filament.
HOLDER 115 volt.
PROCEDURE 6", submitted with luminaire.
Readings taken in one plane.
Bare lamp used in same holder as luminaire.

DIMENSIONS OF LUMINAIRE



A 5½"
B 7"
C 3⅜"
D 1½"
E 11⅝"
F 15¾" H—6"

WEIGHT OF GLASS 5 lb. 1 oz.

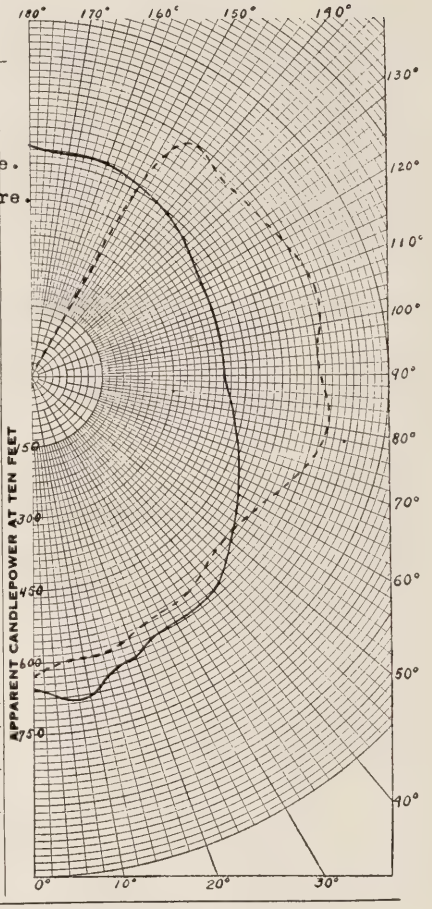
LUMINAIRE DISTRIBUTION DATA

Vertical

MID ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS	MID ZONE ANGLES	APPARENT CANDLEPOWER AT 10 FEET	ZONAL LUMENS
0°	650	15	90°	605	444
5°	675		100°	405	445
10°	684	130	110°	404	415
20°	630	236	120°	411	390
30°	594	325	130°	427	358
40°	587	413	140°	448	316
50°	540	454	150°	458	250
60°	502	476	160°	477	178
70°	462	475	170°	478	91
80°	435	468	180°	487	12

LIGHT FLUX VALUES

ZONE	LUMENS LAMP	LUMENS LUMINAIRE	PERCENT TOTAL LUMENS BARE LAMP	PERCENT LIGHT OUTPUT
0°-30°	500	543	8.0	
0°-60°	1747	1810	26.8	87.2
0°-90°	3613	3213	47.6	
90°-180°	3137	2677	39.6	



LUMINAIRE BRIGHTNESS

MILLILAMBERTS AND CANDLEPOWER PER SQUARE INCH

Note: Arrows indicate locations and angle of view.

LOCATIONS	A	B	C	D	E	F	G	H
MILLILAMBERTS	1780	1830	1425	1240	1350	1430	1530	1490
CP. PER SQ. IN.	3.66	3.76	2.93	2.55	2.77	2.94	3.14	3.06

TESTED BY Wm H Michener J. C. Ashe DATE

AT CARNEGIE INSTITUTE OF TECHNOLOGY. PITTSBURGH, PA.

Above is shown reproduction of Candlepower Distribution Test of Unit No. **855-D**, Delica White Cased Glass. Tests have been made of other sizes in this line. Full size blueprints will be furnished on request.

The 860 Line—Delica White Cased and Nicco Opal Glass

The 860 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

D Delica White
D-4 Delica White "Adams" Design in Ecru
N Nicco Opal
N-4 Nicco "Adams" Design in Ecru

For other Decorations 860 Line, see Plates D-7 and D-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
860	14	6	9½	200	1/6 doz.	18 lbs.
863	10	4	7½	100–150	1/2 doz.	25 lbs.
867	8	4	6½	75–100	2/3 doz.	27 lbs.
868	10	5	7½	100–150	1/2 doz.	25 lbs.
869	12½	6	8½	150–200	1/6 doz.	16 lbs.
870	15½	6	10	300	1/6 doz.	19 lbs.
895	10	6	7½	100–150	1/2 doz.	25 lbs.

The Fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

ORDER BY NUMBER AND DECORATION NUMBER

The 911 Line—Nicco Opal Glass

The 911 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

N Nicco Opal
N-4 Nicco "New Empire" Design in Ecru

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
911	10	4	7	100–150	1/2 doz.	25 lbs.
912	12	6	7½	150–200	1/6 doz.	18 lbs.
913	14	6	9⅛	200	1/12 & 1/6 doz.	9 & 14 lbs.
914	16	6	10¼	300	1/12 & 1/6 doz.	10 & 16 lbs.
915	12	4	7½	150–200	1/6 doz.	18 lbs.
916	18	8	11	300–500	1/12 doz.	16 lbs.

The Fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

ORDER BY NUMBER AND DECORATION NUMBER

The 881 Line—Delica White Cased Glass

The 881 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

D Delica White

D-4 Delica White "Renaissance" Design in Ecru

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
881	9	4	8¼	75–100	1/2 doz.	22 lbs.
882	10	4	8¾	100–150	1/3 doz.	21 lbs.
883	12	4	10	150–200	1/6 doz.	15 lbs.
884	12	6	10	150–200	1/6 doz.	15 lbs.
885	14	6	11	200	1/6 doz.	18 lbs.
886	16	6	12¼	300	1/12 & 1/6 doz.	14 & 26 lbs.

The Fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter, No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

ORDER BY NUMBER AND DECORATION NUMBER

The 828 Line—Delica White Cased and Nicco Opal Glass

The 828 Line is made in the following Sizes and Decorations:

Decoration Numbers and Descriptions:

D Delica White
N Nicco Opal

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
828	12	6	12	150–200	1/6 doz.	17 lbs.
829	12	9	12	150–200	1/6 doz.	17 lbs.
830	8	4	8	75–100	2/3 doz.	27 lbs.
831	10	5	10	100–150	1/3 doz.	22 lbs.
837	12	6	9	150–200	1/6 doz.	16 lbs.
838	14	6	9½	200	1/6 doz.	18 lbs.
843	16	6	11½	300	1/12 & 1/6 doz.	15 & 24 lbs.
880	14	6	16	200	1/12 doz.	15 lbs.
888	10	4	10	100–150	1/3 doz.	22 lbs.
889	14	8	16	200	1/12 doz.	15 lbs.

The Fixtures illustrated above are—Chain Type, No. 2970—4″ Fitter. No. 2971—6″ Fitter. Ceiling Type, No. 2975—6″ Fitter, No. 2985—4″ Fitter. See Plate H-1 for further information pertaining to Fixtures.

Above Units are carried in stock without hole in bottom. If desired with hole there will be an extra charge for drilling.

ORDER BY NUMBER AND DECORATION NUMBER

Crystal Bottom Units for Direct Light

THE Crystal Bottom Units illustrated on the following Plates are Two-piece Units joined with Spun Brass Nickel Plated Ring. The Top Bowls are made of Nicco Opal Heat Resisting Glass—the Bottom Bowls of Crystal Glass in imitation cut-effect. These Units have been designed specially for use where direct downward light rays are desired. The Plain White Units are most suitable for Jewelry Stores, Furniture Stores and Display Rooms. The No. 140 with Color Tint Decoration is a very attractive Unit for residence lighting, for Kitchen, Bath Room and Bed Rooms. The No. 951 with Ecru Tint Decoration makes a very beautiful Dining Room Unit.

Crystal Bottom Unit for Direct Light—Nicco Opal and Crystal Glass

Design Patent Applied For

Two-piece Unit joined with Spun Brass Nickel Plated Ring Nicco Opal Top, and Crystal Bottom.

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
952-N	14⅜	6	12½	200–300	1/12 doz.	11 lbs.

The Fixture illustrated above is No. 2971—6″ Fitter. See Plate H-1 for further information pertaining to Fixture.

ORDER BY NUMBER AND DECORATION NUMBER

Crystal Bottom Unit for Direct Light—Nicco Opal and Crystal Glass

Design Patent No. 81392

Two-piece Unit joined with Spun Brass Nickel Plated Ring
Nicco Opal Top, Plain and Decorated, Crystal Glass Bottom

Decoration Numbers and Descriptions:

N Nicco Opal
N-2 Nicco, Decorated Ecru Tinting

Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
951	14	6	11	200–300	1/12 doz.	12 lbs.

The Fixture illustrated above is No. 2971—6″ Fitter. See Plate H-1 for further information pertaining to Fixture.

ORDER BY NUMBER AND DECORATION NUMBER

Crystal Bottom Units for Direct Light—Nicco Opal and Crystal Glass

920 Design Patent No. 73437

140 Design Patent No. 79723

Two-piece Units joined with Spun Brass Nickel Plated Ring
Nicco Opal Top and Imitation Cut Crystal Glass Bottom

Decoration Numbers and Descriptions:

140		920	
N	Nicco Opal	**N**	Nicco Opal
N-1	Nicco Top, full Tint Green		
N-4	Nicco Top, full Tint Turquoise		
N-5	Nicco Top, full Tint Ecru		
N-6	Nicco Top, full Tint Rose		

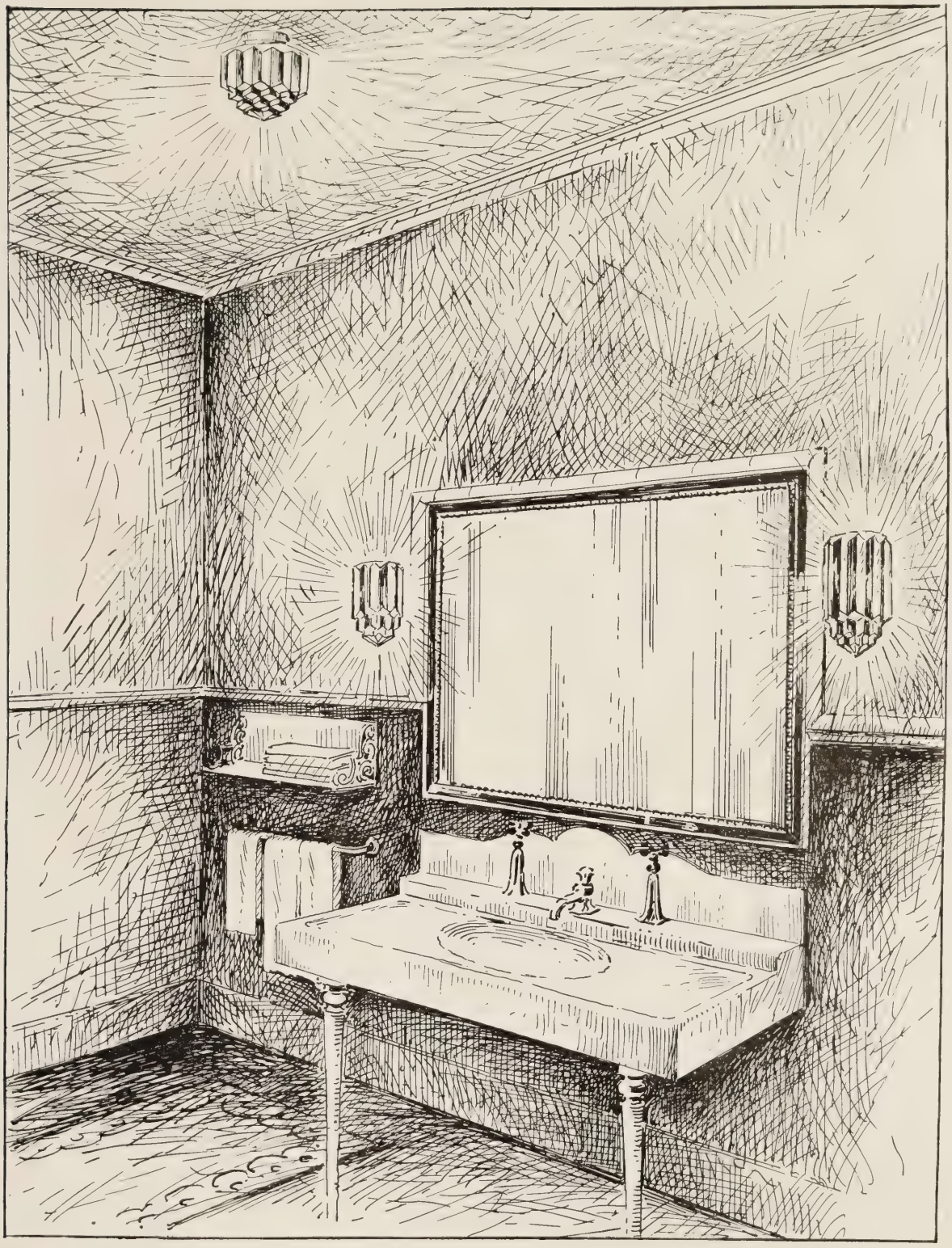
Number	Diameter Inches	Fitter Inches	Depth Inches	Lamp Recommendation Watts	Quantity to Standard Package	Approximate Shipping Weight
140	9	4	8	100–150	1/3 doz.	15 lbs.
920-N	13	6	11	300	1/12 doz.	12 lbs.

The Fixtures illustrated above are—Chain Type No. 2971—6″ Fitter. Ceiling Type, No. 2985—4″ Fitter.
See Plate H-1 for further information pertaining to Fixtures.

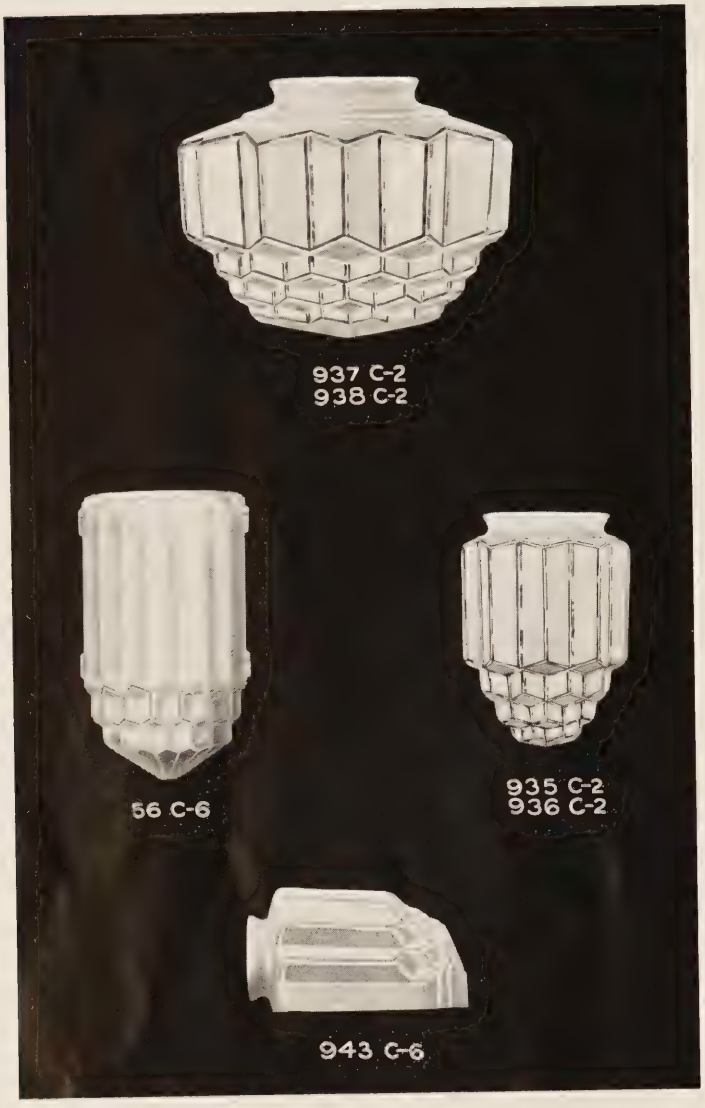
ORDER BY NUMBER AND DECORATION NUMBER

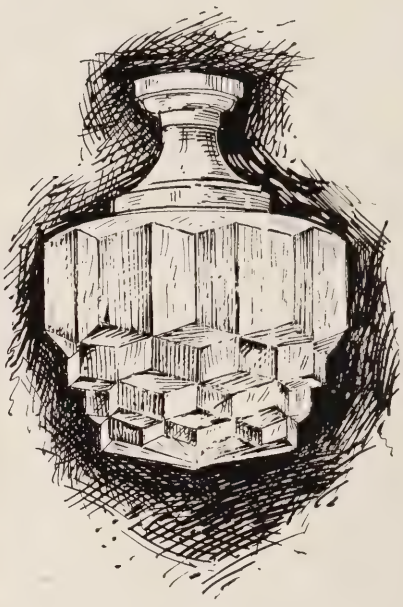
Bathroom Shades, Prismatic Design — Crystal and Alabaster Glass

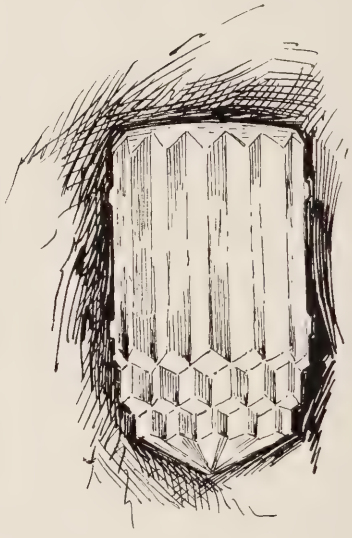
Sketch representing application of Prismatic Design Shades to Modern Bathroom.



Kitchen and Bathroom Shades—Crystal and Alabaster Glass







Design Patent No. 75631

Decoration Numbers and Descriptions:

56 A	Alabaster
C-2	Crystal Etched, Clear Stripe
C-4	Crystal Etched, Decorated Roses
N-4	Nicco, Decorated Roses
C-6	Crystal Etched both sides
935-936-937-938	
C-2	Crystal Etched, Clear Stripe
943	
D	Delica White
C-2	Crystal Etched, Clear Stripe
H-2	Havana (Amber) Etched, Clear Stripe
N	Nicco Opal
N-3	Nicco, Black Lines
C-6	Crystal Etched both sides

For other Decorations No. 56, see Plates A-4, A-5 and A-12.
For other Decorations Nos. 935, 936, 937 and 938, see Plates A-4, A-5 and A-6.

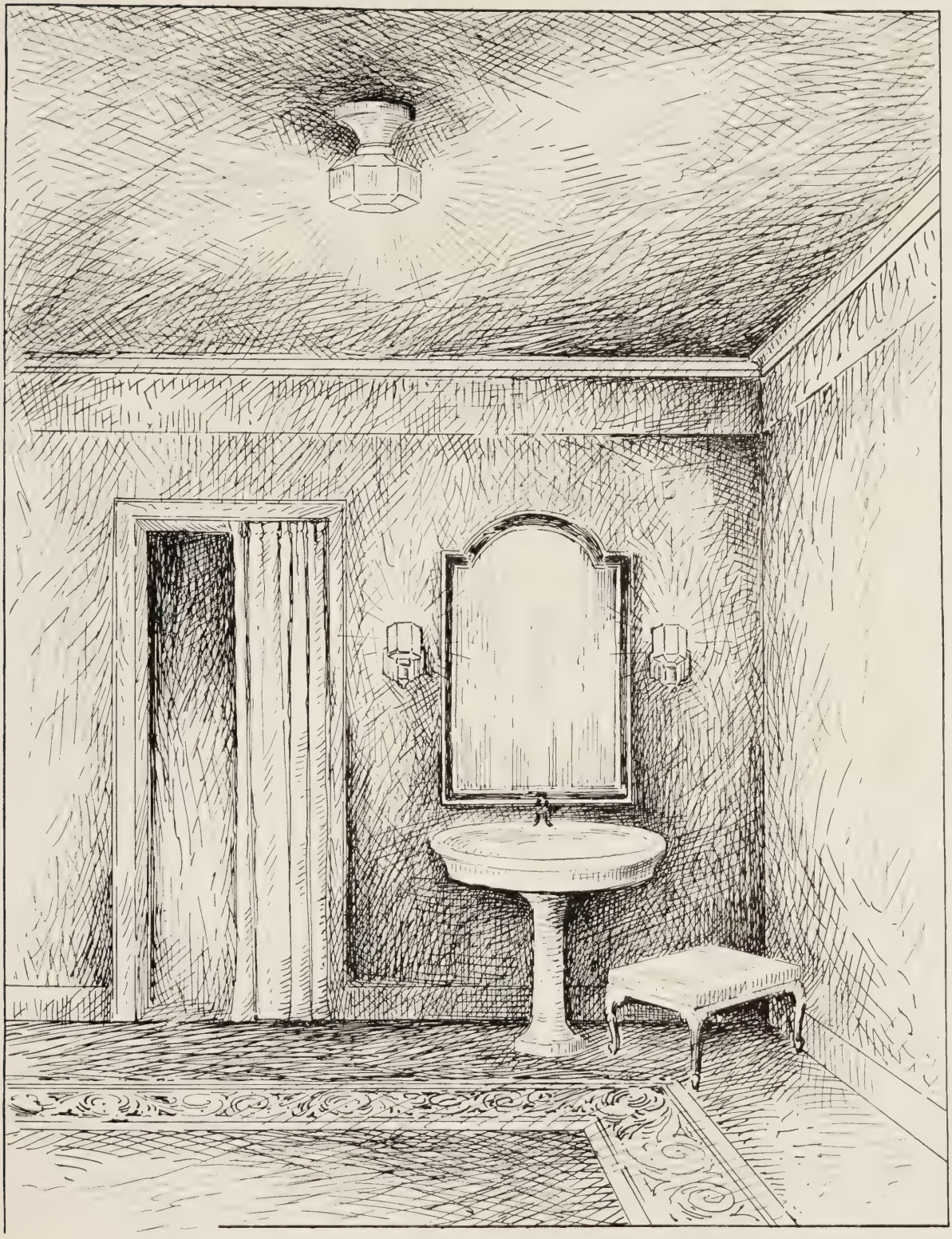
Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
56	5⅜ x 9¼	-----	3¼	1 doz.	29 lbs.
935	4¼	3¼	6	1 doz.	15 lbs.
936	6	4	9	1 doz.	32 lbs.
937	8½	4	6¾	2/3 doz.	24 lbs.
938	12	6	9½	1/6 doz.	18 lbs.
943	5½ x 3½	2¼	3¼	1 doz.	12 lbs.

See Plate A-12, for Metal Bracket for No. 56.

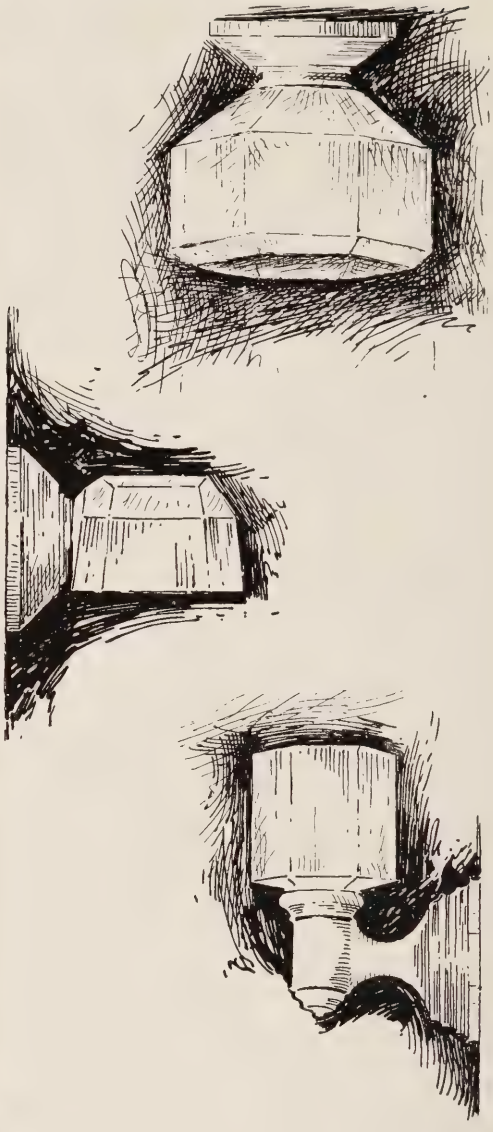
ORDER BY NUMBER AND DECORATION NUMBER

Bathroom Shades, Tile Design—Nicco Opal Glass

Color Tints conforming to decorative effects of Modern Bathrooms.



Kitchen and Bathroom Shades—Nicco Opal Glass



Design Patent Applied For

Decoration N-1, Nicco, Jade Tint, White Stripes

For other Decorations above numbers see Plates D-5 and D-6.

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
146 N-1	5¼ x 4	2¼	3¼	1 & 3 doz.	10 & 34 lbs.
147 N-1	4	2¼	4	1 & 3 doz.	12 & 34 lbs.
148 N-1	9	4	5½	1 doz.	27 lbs.
***149 N-1**	7¼	2¼	5¼	1 doz.	21 lbs.
150 N-1	4	1½	3½	1 & 3 doz.	12 & 34 lbs.

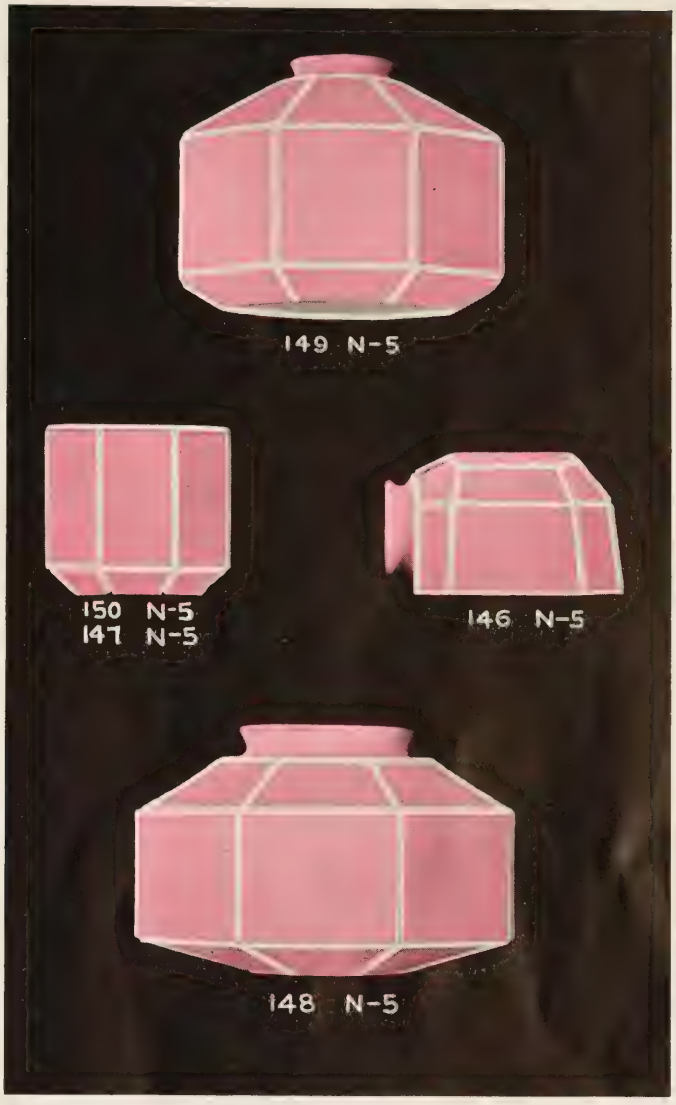
Above numbers can also be furnished in color effects other than listed.

No. 150 is furnished with Brass and Fibre Ring or Screw Fitter, and these are included in the price. When ordering be sure to state which fitter is desired.

*No. 149 has 5¼″ bottom opening.

ORDER BY NUMBER AND DECORATION NUMBER

Kitchen and Bathroom Shades—Nicco Opal Glass



Design Patent Applied For

Decoration N-5, Nicco, Rose Tint, White Stripes

For other Decorations above numbers see Plates D-4 and D-6.

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
146 N-5	5¼ x 4	2¼	3¼	1 & 3 doz.	10 & 34 lbs.
147 N-5	4	2¼	4	1 & 3 doz.	12 & 34 lbs.
148 N-5	9	4	5½	1 doz.	27 lbs.
***149 N-5**	7¼	2¼	5¼	1 doz.	21 lbs.
150 N-5	4	1½	3½	1 & 3 doz.	12 & 34 lbs.

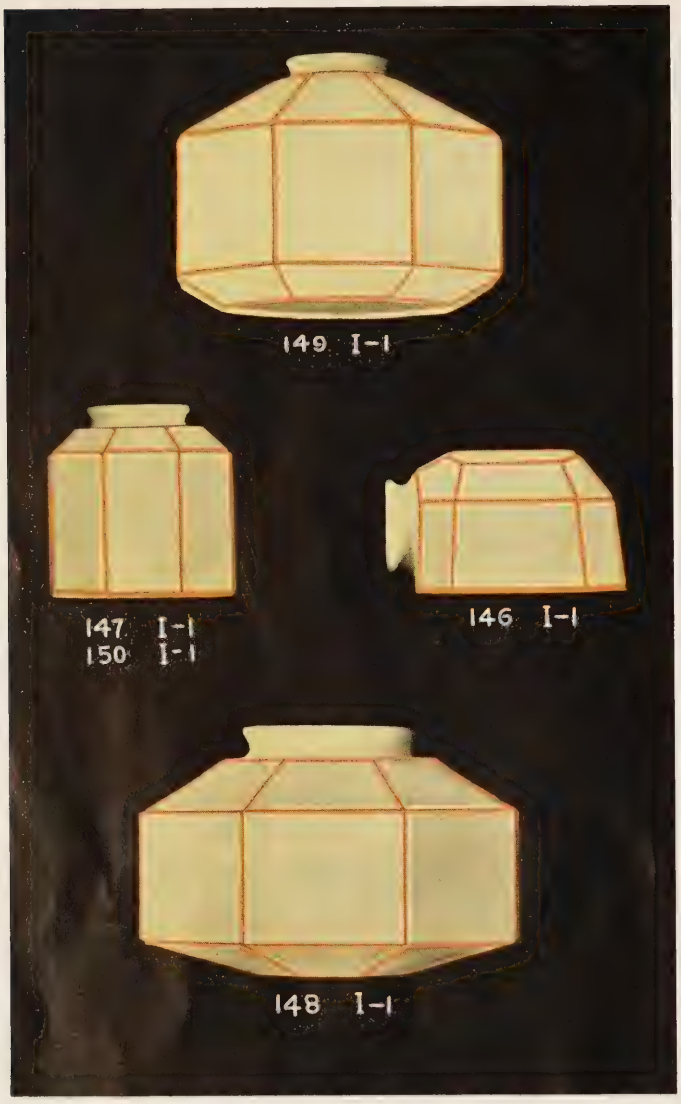
Above numbers can also be furnished in color effects other than listed.

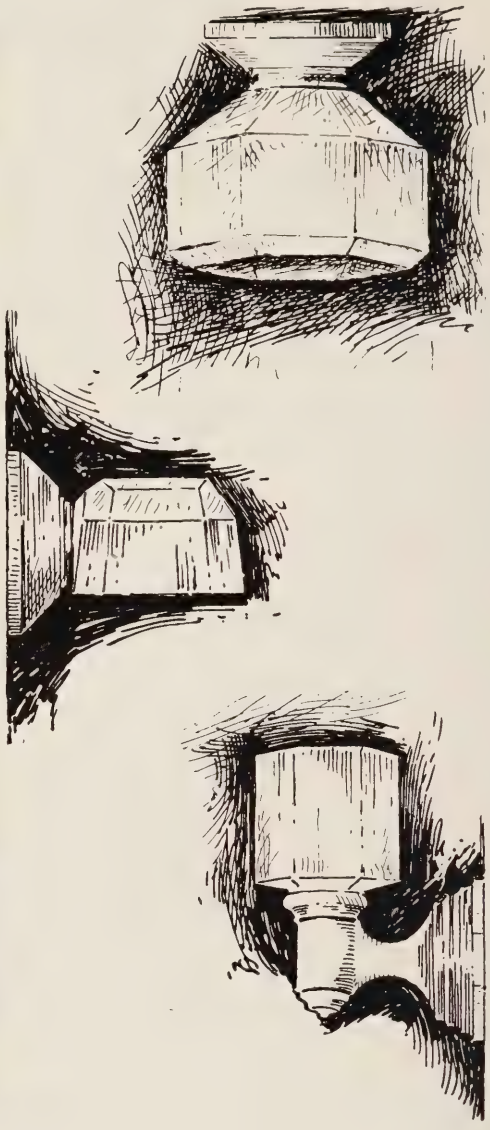
No. 150 is furnished with Brass and Fibre Ring or Screw Fitter, and these are included in the price. When ordering, be sure to state which fitter is desired.

*No. 149 has 5¼″ bottom opening.

ORDER BY NUMBER AND DECORATION NUMBER

Kitchen and Bathroom Shades—Nicco Opal and Ivory Glass





Design Patent Applied For

Decoration Numbers and Descriptions

I	Plain Ivory	**N**	Nicco Opal
I-1	Ivory, Brown Lines	**N-3**	Nicco, Black Lines
		N-4	Nicco, Ecru Tint, White Stripes

For other Decorations above numbers, see Plates D-4 and D-5.

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
146	5¼ x 4	2¼	3¼	1 & 3 doz.	10 & 34 lbs.
147	4	2¼	4	1 & 3 doz.	12 & 34 lbs.
148	9	4	5½	1 doz.	27 lbs.
***149**	7¼	2¼	5¼	1 doz.	21 lbs.
150	4	1½	3½	1 & 3 doz.	12 & 34 lbs.

No. 150 is furnished with Brass and Fibre Ring or Screw Fitter, and these are included in the price. When ordering be sure to state which fitter is desired.

*No. 149 has 5¼″ bottom opening.

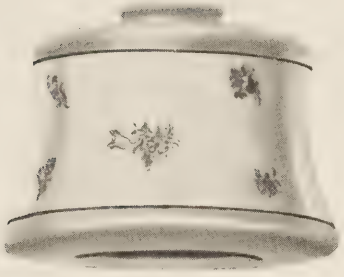
ORDER BY NUMBER AND DECORATION NUMBER

Kitchen and Bathroom Shades—Nicco Opal and Ivory Glass

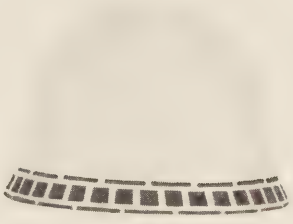
106—18

120—18

104 18

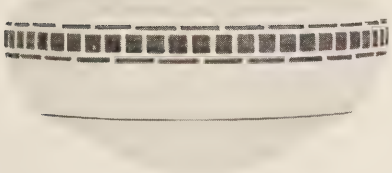


107—19



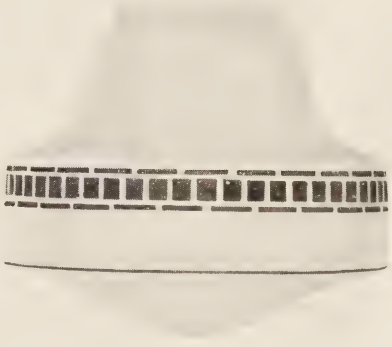
200—N-37
887—N-37

105 —20



860—N-37 867—N-37
863—N-37 869—N-37
870—N-37

846—N-37



902—N-37

Decoration Numbers and Descriptions:

104-105-106-107-120

18	Dolly Varden, Canary Tinting
19	Dolly Varden, Pink Tinting
20	Dolly Varden, Blue Tinting

120-200-846-860-863-867-869-870-887-902

N-34	Nicco, Grecian Block in Ecru
N-36	Nicco, Grecian Block in Green
N-37	Nicco, Grecian Block in Black
I-34	Ivory, Grecian Block in Ecru
I-36	Ivory, Grecian Block in Green
I-37	Ivory, Grecian Block in Black

For other Decorations No. 104, see Plate E-3.
For other Decorations Nos. 120, 200 and 887, see Plate D-8.
For other Decorations No. 846, see Plates D-8 and G-1.
For other Decorations Nos. 860, 863, 867, 869 and 870, see Plates B-9 and D-8.
For other Decorations No. 902, see Plates B-1 and D-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
104	4¼	1½	3¼	1 doz.	9 lbs.
105	7	2¼	4¾	1 doz.	19 lbs.
106	3⅞	2¼	4¼	1 doz.	9 lbs.
107	7	2¼	5¼	1 doz.	19 lbs.
120	8⅝	4	6¼	1 doz.	30 lbs.
200	5¾	2¼	4	3 doz.	28 lbs.
846	5¾ x 4	2¼	3¼	1 & 3 doz.	12 & 35 lbs.
860	14	6	9½	1/6 doz.	18 lbs.
863	10	4	7½	1/2 doz.	25 lbs.
867	8	4	6½	2/3 doz.	27 lbs.
869	12½	6	8½	1/6 doz.	16 lbs.
870	15½	6	10	1/6 doz.	19 lbs.
887	8	2¼	5	1 doz.	19 lbs.
902	8½	4	7¼	2/3 doz.	28 lbs.

No. 104 is furnished with Brass and Fibre Ring, Screw Fitter, or Spring Holder, and these are included in the price. When ordering, be sure to state which fitter is desired.

ORDER BY NUMBER AND DECORATION NUMBER

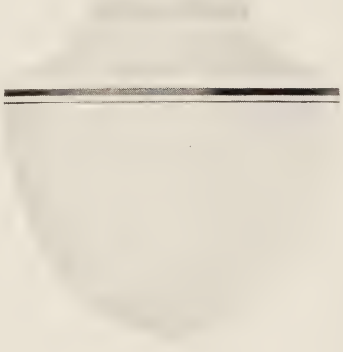
Kitchen and Bathroom Shades—Nicco Opal and Ivory Glass

201—N-30

846—N-30

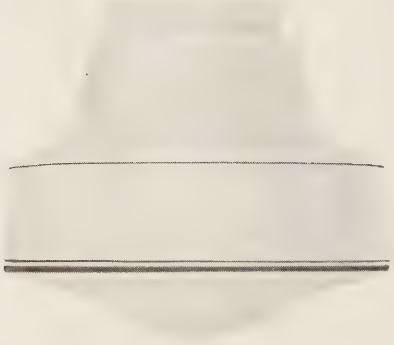
200—N-30
887—N-30

865—N-30

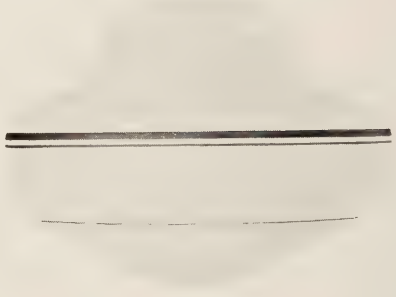


896—N-30

120—N-30



902—N-30



860—N-30 867—N-30
863—N-30 869—N-30
870—N-30

Decoration Numbers and Descriptions:

120-200-201-846-860-863-865-867-869-870-887-896-902

N	Nicco Opal
N-30	Nicco, Black Lines
N-31	Nicco, Green Lines
N-32	Nicco, Ecru Lines

120-200-201-846-860-863-867-869-870-887-902

I	Ivory
I-30	Ivory, Black Lines
I-31	Ivory, Green Lines
I-32	Ivory, Ecru Lines

For other Decorations No. 120, see Plate D-7.
For other Decorations Nos. 200 and 887, see Plate D-7.
For other Decorations No. 201, see Plate E-1.
For other Decorations No. 846, see Plates D-7 and G-1.
For other Decorations Nos. 860, 863, 867, 869 and 870, see Plates B-9 and D-7.
For other Decorations No. 865, see Plates B-5 and B-7.
For other Decorations No. 896, see Plate B-3.
For other Decorations No. 902, see Plates B-1 and D-7.

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
120	8⅝	4	6¼	1 doz.	30 lbs.
200	5¾	2¼	4	3 doz.	28 lbs.
201	6	2¼	4½	1 doz.	12 lbs.
846	5¾ x 4	2¼	3¼	1 & 3 doz.	12 & 35 lbs.
860	14	6	9½	1/6 doz.	18 lbs.
863	10	4	7½	1/2 doz.	25 lbs.
865	8	4	6	1 doz.	26 lbs.
867	8	4	6½	2/3 doz.	27 lbs.
869	12½	6	8½	1/6 doz.	16 lbs.
870	15½	6	10	1/6 doz.	19 lbs.
887	8	2¼	5	1 doz.	19 lbs.
896	8	4	8	2/3 doz.	27 lbs.
902	8½	4	7¼	2/3 doz.	28 lbs.

ORDER BY NUMBER AND DECORATION NUMBER

Nicco Opal Glassware for Commercial Uses

619-N 758-N

201-N

784-N 787-N
785-N 788-N

909—N-1

5-inch to 16-inch Ball-N

Decoration Numbers and Descriptions:

Ball Globes—6″, 8″, 10″, 12″, 14″ and 16″

N Nicco Opal
R Ruby, Plain
G Green, Plain

201-619-758-784-785-787-788

N Nicco Opal

Ball Globes—5″ and 6″

Crystal Crackled Etched
Rose Crackled Etched
Havana (Amber) Crackled Etched

909

N-1 Nicco, Green Tint, Rose Decoration
N-2 Nicco, Ecru Tint, Rose Decoration
I-3 Ivory, Rose Decoration

For other Decorations 201, see Plate D-8.

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
5-inch Ball	5	3¼	5	1 and 4½ doz.	15 & 70 lbs.
6-inch Ball	6	3¼	6	1 doz.	18 lbs.
8-inch Ball	8	3¼ & 4	8	2/3 doz.	24 lbs.
10-inch Ball	10	4 & 6	10	1/3 doz.	20 lbs.
12-inch Ball	12	4, 6 & 8	12	1/6 doz.	15 lbs.
14-inch Ball	14	6 & 8	14	1/12 doz.	10 lbs.
16-inch Ball	16	6 & 8	16	1/12 doz.	12 lbs.
201-N	6	2¼	4½	1 doz.	12 lbs.
619-N	7¾	2¼	5¼	3 doz.	65 lbs.
758-N	5¾	2¼	4¾	5 doz.	75 lbs
784-N	12	12	4	1 1/2 doz.	80 lbs.
785-N	16	16	5½	1 doz.	80 lbs.
787-N	8	8	4	1 1/2 doz.	75 lbs.
788-N	10	10	5	1 doz.	65 lbs.
909	10	4	8¾	1/3 doz.	20 lbs.

NOTE:—When ordering Balls, be sure to state fitter desired.

ORDER BY NUMBER AND DECORATION NUMBER

Shades for Residential Lighting

Crystal and Colored Glass, Plain and Decorated

No. 101

Dec. 10 Alhambra—Brown Tint with Blue Ice Decoration on Crystal Crackled Glass Roughed Inside.

Dec. 11 Mille-Fleur-Stippled Orange Tint, Mille-Fleur Decoration on Crystal Glass.

No. 103

Dec. 1 Valencia—Stippled Orange Tint, Black Line Decoration on Delica White Glass.

Dec. 2 Granada—Multicolor Tint, Black Line Decoration on Delica White Glass.

Dec. 3 Basque—Stippled Maroon Tint, Black Line Decoration on Pink Glass.

Dec. 4 Cameo Shield in Green and Green border on Delica White Cased Glass.

Dec. 5 Cameo Shield in Green and Green border on Ecru Cased Glass.

Dec. 6 Cameo Shield in Green and Green border on Rose Cased Glass.

Dec. 7 Valencia, Rose Border—Stippled Orange Tint, Rose Border Decoration on Delica White Glass.

Dec. 8 Granada, Rose Border—Multicolor Tint, Rose Border Decoration on Delica White Glass.

Dec. 9 Basque, Rose Border—Stippled Maroon Tint, Rose Border Decoration on Pink Glass.

Dec. 10 Alhambra—Brown Tint with Blue Ice Decoration on Crystal Crackled Glass Roughed Inside.

No. 104

Dec. 1 Valencia—Stippled Orange Tint, Black Line Decoration on Delica White Glass.

No. 104

Dec. 2 Granada—Multicolor Tint, Black Line Decoration on Delica White Glass.

Dec. 3 Basque—Stippled Maroon Tint, Black Line Decoration on Pink Glass.

Dec. 7 Valencia, Rose Border—Stippled Orange Tint, Rose Border Decoration on Delica White Glass.

Dec. 8 Granada, Rose Border—Multicolor Tint, Rose Border Decoration on Delica White Glass.

Dec. 9 Basque, Rose Border—Stippled Maroon Tint, Rose Border Decoration on Pink Glass.

Dec. 10 Alhambra—Brown Tint with Blue Ice Decoration on Crystal Crackled Glass Roughed Inside.

For other Decorations No. 104, see Plate D-7.

No. 601

C-2 Crystal Etched, Clear Stripe
N-3 Nicco, Gold Stripe
N-30 Nicco, Black Stripe

No. 603

C-2 Crystal Etched, Clear Stripe
N-3 Nicco, Gold Stripe
N-30 Nicco, Black Stripe

No. 755

C-1 Crystal Roughed Outside
H-2 Old Gold Roughed Outside

No. 893

C-1 Crystal Etched
H-2 Havana Etched

ORDER BY NUMBER AND DECORATION NUMBER

Shades for Residential Lighting

No. 893 Design Patent No. 69894

Crystal and Colored Glass, Plain and Decorated

Number	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
101	4¾	1½	3⅝	1 doz.	12 lbs.
103	4⅜	1½	3	1 doz.	9 lbs.
104	4¼	1½	3¼	1 doz.	9 lbs.
601	5½	3¼	6	1 doz.	18 lbs.
603	8	4	8	1/3 doz.	20 lbs.
755	4	2¼	4¾	1 & 3 doz.	13 & 34 lbs.
893	4½	1½	3¼	1 doz.	15 lbs.

Nos. 101, 103 and 104 are furnished with Brass and Fibre Ring, Screw Fitter, or Spring Holder, and these are included in the price. When ordering be sure to state which fitter is desired. No. 893 is furnished with Brass and Fibre Ring, which is included in the price.

See opposite page for Decoration Numbers and Descriptions.

ORDER BY NUMBER AND DECORATION NUMBER

Globes and Cylinders—Crystal and Amber Glass

Number		Description	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
112	**C-11**	Crystal Crackled, Plain	3⅜	1⅝	6½	3 doz.	22 lbs.
112	**H-12**	Havana (Amber) Crackled, Plain	3⅜	1⅝	6½	3 doz.	22 lbs.
136	**K-10**	Rose Crackled, Plain	8	3¼	6½	2/3 doz.	18 lbs.
136	**C-11**	Crystal Crackled, Plain	8	3¼	6½	2/3 doz.	18 lbs.
136	**H-12**	Havana (Amber) Crackled, Plain	8	3¼	6½	2/3 doz.	18 lbs.
864	**C-11**	Crystal Antique	6½	4	8½	1 doz.	24 lbs.
864	**H-12**	Amber Antique	6½	4	8½	1 doz.	24 lbs.

STRAIGHT AND CONE CYLINDERS, CRYSTAL ANTIQUE AND AMBER ANTIQUE GLASS

Diameter Inches	Height Inches	Quantity to Standard Package	Approximate Shipping Weight
3	6	6 doz.	95 lbs.
3	8	3 1/2 doz.	83 lbs.
4	6	4 doz.	65 lbs.
4	7	3 1/2 doz.	83 lbs.
4	8	3 1/2 doz.	90 lbs.
4	9	2 doz.	65 lbs.
5	7	2 doz.	70 lbs.
5	8	2 doz.	77 lbs.
6	6	2 1/2 doz.	71 lbs.
6	8	1 1/2 doz.	65 lbs.
7	9	2/3 doz.	61 lbs.
8	10	1/2 doz.	59 lbs.
9	12	1/2 doz.	76 lbs.
Cone, Bottom 3½ Top 5	8	2 2/3 doz.	73 lbs.
Cone, Bottom 4 Top 5½	8	1 doz.	22 lbs.

NOTE:—When ordering Cylinders specify size, designating both diameter and height, and Glass desired. Order Globes by Number and Decoration Number.

Exit and Sign Balls—Nicco Opal and Colored Glass

841—R-1 Exit—3″ Letters, Black
948—G-2 Exit—4″ Letters, Black
For Side Bracket

841—R-1 Exit 3″ Letters, Black
948—G-2 Exit 4″ Letters, Black
For Ceiling Fitter

841—N-4—3″ Letters, Black
948—N-4—4″ Letters, Black
For Side Bracket

841—R-1 Stairs—3″ Letters, Black
948—R-1 Stairs—4″ Letters, Black
For Side Bracket

6″ Exit Ball R, 3″ Letters, Black
8″ Exit Ball R, 6″ Letters, Black

841—N-5—3″ Letters, Black
948—N-5—4″ Letters, Black
For Side Bracket

871—G-2
3″ Letters, Green

842—R-1—3″ Letters, Red
958—G-2—3″ Letters, White

872—R-1
3″ Letters, Red

Nos. 841 and 948 Design Patent No. 77320

Number	Decoration Number	Description	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
6″ Exit Ball	R	Ruby, Roughed Inside "Exit" one side	6	3¼	6	1 doz.	18 lbs.
8″ Exit Ball	R	Ruby, Roughed Inside "Exit" one side	8	3¼ & 4	8	2/3 doz.	24 lbs.
8″ Exit Ball	R	Ruby, Roughed Inside "Exit" two sides	8	3¼ & 4	8	2/3 doz.	24 lbs
841 Exit	R-1	Royal Copper, Roughed Inside	4½ x 4½	3¼	5¼	1 & 3 doz.	16 & 34 lbs.
841 Exit	G-2	Green Roughed Inside	4½ x 4½	3¼	5¼	1 & 3 doz.	16 & 34 lbs.
841 Exit	C-3	Crystal Roughed Inside	4½ x 4½	3¼	5¼	1 & 3 doz.	16 & 34 lbs.
841 Stairs	R-1	Royal Copper Roughed Inside	4½ x 4½	3¼	5¼	1 & 3 doz.	16 & 34 lbs.
841 Men	N-4	Nicco Opal	4½ x 4½	3¼	5¼	1 & 3 doz.	16 & 34 lbs.
841 Women	N-5	Nicco Opal	4½ x 4½	3¼	5¼	1 & 3 doz.	16 & 34 lbs.
842 Exit	R-1	Royal Copper Roughed Inside	6	3¼	6	1 & 2 1/4 doz.	26 & 50 lbs.
842 Exit	G-2	Green Roughed Inside	6	3¼	6	1 & 2 1/4 doz.	26 & 50 lbs.
871 Up	C-1	Crystal Roughed Inside	6	3¼	6	1 & 2 1/4 doz.	26 & 50 lbs.
871 Up	G-2	Green Roughed Inside	6	3¼	6	1 & 2 1/4 doz.	26 & 50 lbs.
872 Down	R-1	Royal Copper Roughed Inside	6	3¼	6	1 & 2 1/4 doz.	26 & 50 lbs.
948 Exit	R-1	Royal Copper Roughed Inside	5½ x 5½	4	7	1 doz.	24 lbs.
948 Exit	G-2	Green Roughed Inside	5½ x 5½	4	7	1 doz.	24 lbs.
948 Exit	N-6	Nicco Opal	5½ x 5½	4	7	1 doz.	24 lbs.
958 Exit	R-1	Royal Copper Roughed Inside	6	3¼	6	1 & 2 1/4 doz.	26 & 50 lbs.
958 Exit	G-2	Green Roughed Inside	6	3¼	6	1 & 2 1/4 doz.	26 & 50 lbs.

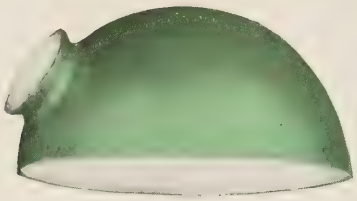
The letterings illustrated above are standard. Other letterings can be furnished as follows

On No. 841—PASS. ELEV.	FRGT. ELEV.	ELEV.
On No. 948—ROOMS	EXIT	
On No. 958—FIRE ESCAPE	FIRE	EXPRESS

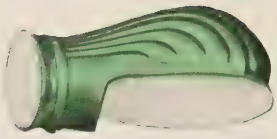
SPECIAL NOTE:—When ordering specify Number and Decoration Number. On Nos. 841 and 948 Exit and Stairs, be sure to state style Fitter on which it is to be used. On 8″ Ball, state size Fitter wanted, and if lettering desired one or two sides.

Cased Green Glass for Commercial Use

146-G



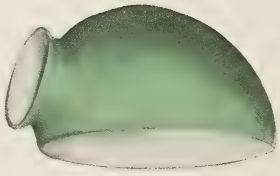
547-G



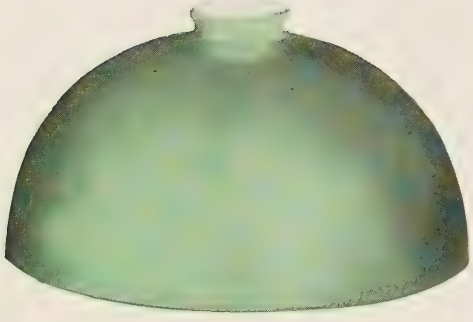
544-G

846-G

548-G 549-G 550-G



546-G



555-G 556-G 558-G

8023-G

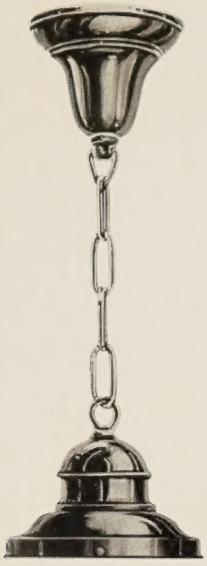
Cased Green, Rose and Ecru Shades

Number	Description	Diameter Inches	Fitter Inches	Depth Inches	Quantity to Standard Package	Approximate Shipping Weight
146-G	Cased Green	5¼ x 4	2¼	3¼	1 & 3 doz.	10 & 34 lbs.
544-G	Cased Green	5½ x 3½	2¼	2	3 doz.	36 lbs.
546-G	Cased Green	6 x 4⅜	2¼	3⅛	1 & 3 doz.	12 & 35 lbs.
547-G	Cased Green	7 x 6¾	2¼	3¾	3 1/2 doz.	75 lbs.
548-G	Cased Green	7	2¼	5	5 doz.	92 lbs.
549-G	Cased Green	10	2¼	5	2 doz.	75 lbs.
550-G	Cased Green	10	3¼	5	2 doz.	75 lbs.
555-G	Cased Green	10	2¼, 3¼, 4 or 5	5½	1 1/3 doz.	73 lbs.
556-G	Cased Green	12	3¼, 4 or 5	5¾	2/3 doz.	65 lbs.
558-G	Cased Green	14	3¼, 4 or 5	6½	2/3 doz.	67 lbs.
846-G	Cased Green	5¾ x 4	2¼	3¼	1 & 3 doz.	12 & 35 lbs.
8023-G	Cased Green	11	10	6½	2/3 doz.	60 lbs.
8023-K	Cased Rose	11	10	6½	2/3 doz.	60 lbs.
8023-E	Cased Ecru	11	10	6½	2/3 doz.	60 lbs.

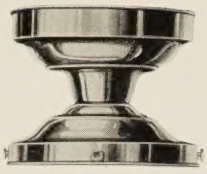
For other Decorations No. 146, see Plates D-4, D-5 and D-6.
For other Decorations No. 846, see Plates D-7 and D-8.

ORDER BY NUMBER AND DECORATION LETTER

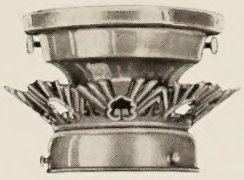
Lighting Fixtures



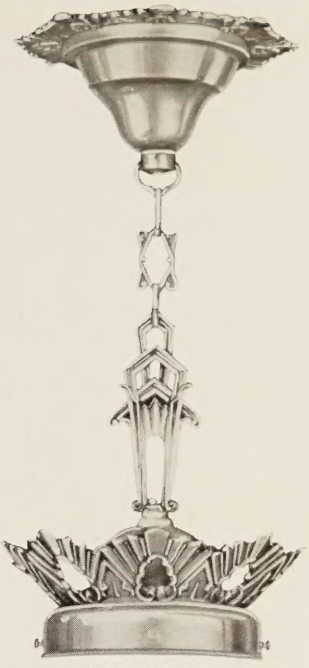
2970—4″ Fitter
2971—6″ Fitter



2985—4″ Fitter
2975—6″ Fitter

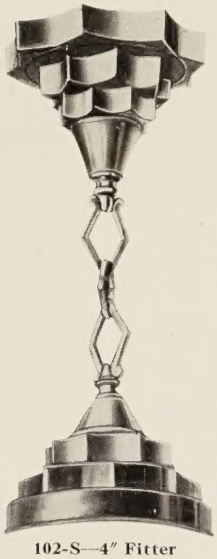


2990—4″ Fitter
2991—6″ Fitter

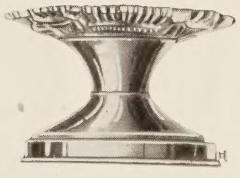


2992—4″ Fitter
2993—6″ Fitter

104-S—4″ Fitter
105-S—6″ Fitter



102-S—4″ Fitter
103-S—6″ Fitter
0102—4″ Fitter
0103—6″Fitter



0104—4″ Fitter
0105—6″ Fitter

Number	Size Fitter	Style	Finishes	Standard Length
102-S	4-inch	Chain Type	Statuary Bronze	30 inches
103-S	6-inch	Chain Type	Statuary Bronze	30 inches
104-S	4-inch	Ceiling Type	Statuary Bronze	.....
105-S	6-inch	Ceiling Type	Statuary Bronze	.....
0102	4-inch	Chain Type	Statuary Bronze	30 inches
0103	6-inch	Chain Type	Statuary Bronze	30 inches
0104	4-inch	Ceiling Type	Statuary Bronze	.....
0105	6-inch	Ceiling Type	Statuary Bronze	.....
2970	4-inch	Chain Type	Statuary Bronze	36 inches
2971	6-inch	Chain Type	Statuary Bronze	36 inches
2975	6-inch	Ceiling Type	Statuary Bronze and White Enamel	.....
2985	4-inch	Ceiling Type	Statuary Bronze and White Enamel	.....
2990	4-inch	Ceiling Type	Statuary Bronze and Pewter	.....
2991	6-inch	Ceiling Type	Statuary Bronze and Pewter	.....
2992	4-inch	Chain Type	Statuary Bronze and Pewter	30 inches
2993	6-inch	Chain Type	Statuary Bronze and Pewter	30 inches

Fixtures Nos. 102-S, 103-S, 104-S and 105-S are Cast Fixtures of the very best quality, and have been designed specially for our Units. The 0102 series are same design but are Stamped Fixtures, hence of lighter weight. Fixtures Nos. 2970, 2971, 2975 and 2985, are Spun Fixtures, made of the very best grade materials of good weight. Finishes on all Fixtures are of highest quality.

Mogul Socket and Canopy Switch can be furnished if desired.

INSTRUCTIONS FOR ORDERING

When ordering Fixtures be sure to state Number of Fixture and Finish desired, also length of Fixture or height of ceiling, and if wanted WITH or WITHOUT Wire and Socket. On Nos. 2970 and 2971 specify size of Loop wanted. National Code slow burning wire is furnished on all Fixtures furnished wired complete.

We do not manufacture Fixtures, we being manufacturers of Glass only; but for the convenience of our patrons who wish to purchase the Glassware with Fixtures complete, we have selected a line of Fixtures which we believe will meet the requirements of the trade, and carry a stock so that we may be in position to make prompt shipment. We have illustrated these Fixtures in this Catalog with our Units, and shall be glad to accept your orders for Fixtures complete with Glassware.

Terms

Terms, 1% if paid in 15 days; Net 30 days from date of bill. All shipments F. O. B. cars our factory.

Deliveries to carriers contingent upon strikes, accidents and delays unavoidable or beyond our control. All goods are carefully inspected and checked before packing. They are securely packed to insure delivery in perfect condition to the carrier. They are sold only F. O. B. CARS OUR FACTORY, and we assume no responsibility for safe arrival, as our responsibility ceases absolutely as soon as a bill of lading is issued.

YOU SHOULD THOROUGHLY INSPECT EACH SHIPMENT AS SOON AS RECEIVED

If shipments are not delivered to you in good order, and in accordance with items shown on your invoice, we recommend that you proceed as follows:

1st. Sign Railroad receipt "short" or "damaged" and have your freight agent mark the freight bill accordingly.

2nd. If packages are delivered in apparent good order, but, on opening, contents are found missing, damaged, or broken, call freight agent to view same, and have him mark freight bill relative to such "Concealed Damage." This is absolutely necessary. Unless you do this the Transportation Company will not entertain your claim for loss or damage. If the agent will not make an inspection, then you should make an affidavit that you notified him (on a certain date) and he failed to do so. This with other papers will properly support your claim.

3rd. We will, on request send you a Duplicate Bill of Lading, and also if desired, send a duplicate invoice, and assist you in every possible manner in collecting your claims for damage, but are not responsible for collection of claims or replacement of material.

4th. Charge the claim against the Transportation Company on your books, sending a bill of same to your freight agent, with the original Bill of Lading, paid freight bill and copy of our invoice to support it.

5th. Make your claim promptly, for the Transportation Company will not consider a claim unless presented within four months from date of shipment.

Should breakage be of a serious nature, pay the charges anyway and then write us for instruction.

NEVER REFUSE A SHIPMENT

If you should refuse a shipment because of damages, the Transportation Company will pay no attention except to ask for disposition of the goods, and if no disposition is made, the law allows them to sell the goods for their freight and storage charges. In order to secure attention, the goods MUST FIRST BE RECEIVED AND FREIGHT PAID.

Always remember that they are your goods under the law, and you must show a disposition to assist in adjusting the matter.

We shall be pleased to co-operate with you in overcoming breakages, or the mishandling of any of our shipments.

5M-3-31

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